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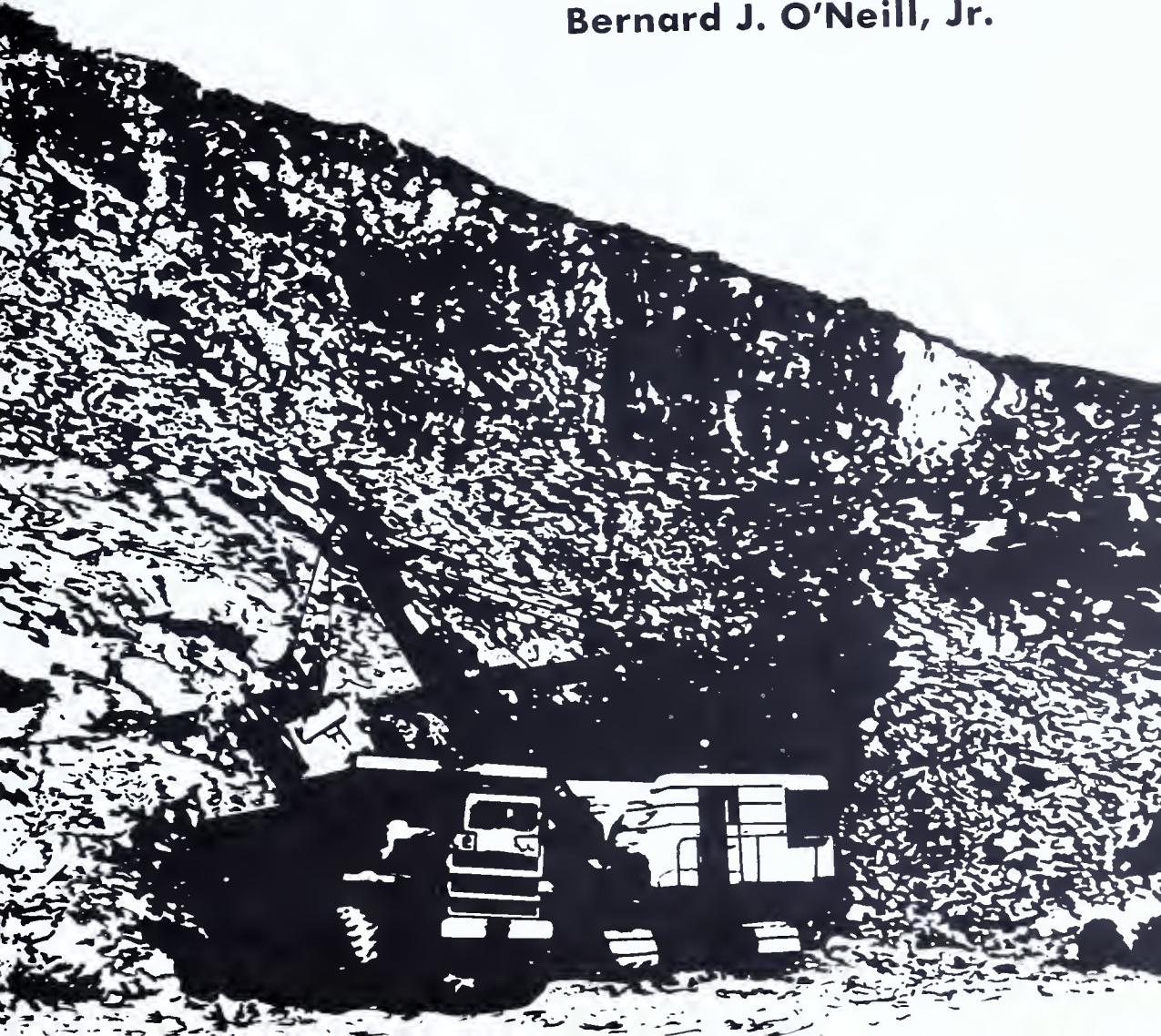
Information Circular 54

Third Edition

1977

DIRECTORY OF THE MINERAL INDUSTRY IN PENNSYLVANIA

Bernard J. O'Neill, Jr.



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL RESOURCES
BUREAU OF
TOPOGRAPHIC AND GEOLOGIC SURVEY
Arthur A. Socolow, State Geologist

Information Circular 54

Third Edition

**DIRECTORY OF THE MINERAL INDUSTRY
IN PENNSYLVANIA**

Bernard J. O'Neill, Jr.

PENNSYLVANIA GEOLOGICAL SURVEY

FOURTH SERIES

HARRISBURG

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PREFACE

This report represents the third edition of Information Circular 54, and was prepared in response to numerous requests for an updating of the directory of the mineral industry in Pennsylvania. An innovation to the revision is a map showing locations of active quarries, pits, underground mines, and plants where the mineral raw materials or mineral products are being produced in the Commonwealth.

The data presented in this report should be of particular value to both producers and consumers of mineral products who will benefit from the information concerning the identity and locations of active operations. This report also should be of interest and applied use to professional planners, Federal and State agencies, conservation organizations, educational institutions, and all others interested in the active mineral producers in the Commonwealth.

We hope that the information in this report will contribute significantly to the further development of the economically important mineral industry in Pennsylvania.

Arthur A. Socolow

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CONTENTS

	<i>Page</i>
Preface	iii
Introduction	1
Acknowledgements	3
Key to abbreviations	3
Part 1 — Mineral raw material or mineral product index	4
Abrasives	4
Non-metallic	4
Metallic	4
Argillite	4
Crushed and broken stone	4
Dimension stone	6
Cement (Producers)	6
Clay and shale materials	9
Animal feed	9
Clay for cement	9
Filler materials	9
Pesticides and related products	9
Refractories and/or refractory clays	10
Stoneware	13
Structural clay products	13
Water treatment clay products	17
Crushed and broken stone	17
Diabase and related rocks	17
Crushed and broken stone	17
Dimension stone	18
Roofing granules	18
Dimension stone	19
Dolomite	19
Flagstone	19
Gneiss and related rocks	19
Crushed and broken stone	19
Dimension stone	19
Gypsum	20
Hornfels	20
Crushed and broken stone	20
Iron ore	20
Iron oxide pigments	20
Lightweight aggregate	21
Limestone and dolomite	21
Agricultural stone	21
Carbonate aggregate	26

	<i>Page</i>
Carbonate raw materials for cement	38
Filler material	39
Filter stone	40
Fluxstone	41
Glass manufacture	42
Lime	43
Mineral foods	44
Paper manufacture	44
Refractory dolomite	45
Rock dust for coal mines	45
Stone sand	46
Magnetite	46
Manganese and manganiferous ores	46
Mercury	46
Metals	46
Iron ore (magnetite)	46
Zinc ore (sphalerite)	47
Metamorphic rocks	47
Mica schist and related rocks	47
Crushed and broken stone	47
Dimension stone	47
Mullite	48
Peat	48
Perlite	49
Quartzite	50
Crushed and broken stone	50
Dimension stone	51
Rare earths and thorium	52
Rottenstone	52
Sand and gravel	52
Sandstone	72
Crushed and broken stone	72
Dimension stone	78
Flagstone	80
Sericite schist	82
Filler	82
Serpentinite	82
Crushed and broken stone	82
Shale	83
Siltstone	95
Crushed or broken stone	95
Slate	95

	<i>Page</i>
Sphalerite	96
Sulfur	96
Thorium	97
Vermiculite	97
Zinc ore	97
Part 2 — County index with key to locations on "The Mineral Producers Map of Pennsylvania — 1976."	98
Part 3 — Company reference index	133

PLATE
(In pocket)

Mineral Producers Map of Pennsylvania — 1976

DIRECTORY OF THE MINERAL INDUSTRY IN PENNSYLVANIA

by
Bernard J. O'Neill, Jr.

INTRODUCTION

The Directory of the Mineral Industry in Pennsylvania provides a reference list of companies, corporations or individuals that were actively mining and/or processing rock and mineral raw materials, or manufacturing products from such materials as of September 30, 1976.

The information in this directory has been compiled mainly from two sources: (1) the records on file at the Bureau of Surface Mine Reclamation within Pennsylvania's Department of Environmental Resources; and (2) the U. S. Bureau of Mines' lists of Pennsylvania mineral producers from 1974 to 1976. Despite the efforts made for accuracy, it is entirely possible that some active operations were inadvertently omitted and some inactive producers listed. The Bureau of Topographic and Geologic Survey requests that the reader advise the Bureau of errors so that future editions of the directory can be corrected.

The directory is divided into three parts. Part 1 lists the producers primarily by mineral raw material or mineral product. The secondary subdivision in Part 1 is by county, followed by the producers in alphabetical order. When the primary mineral raw material category is too broad, it is subdivided into smaller units based upon use. Where a category includes more than one use, the different uses being made of a mineral raw material by a producer are shown by abbreviations in brackets following the producer's name. The key to the abbreviations is shown below. The uses listed reflect the current sales to markets by the producers as reported by the U. S. Bureau of Mines, and hence are not meant to set limitations on the full range of uses for the raw material being extracted.

Each entry in Part 1 provides the name and address of the producer and, where possible, the name associated with the quarry, pit, plant or operation.

Part 2 is a county index with the list of active producers listed alphabetically. The type or name of an operation is identified and is keyed by the map number in the left-hand column to a symbol on "The Mineral Producers Map of Pennsylvania — 1976." This map is located in the pocket of the directory. The center of each symbol identifies the exact

location of the operation under consideration. Exceptions to this general rule occur in areas where the congestion of symbols made their separation necessary. In such cases, a leader from the symbol to a dot is used to identify the location.

Map numbers were assigned primarily by county in alphabetical order with the sequence within each county controlled by the alphabetical order of producers. Active operations which could not be located appear in alphabetical order of producers listed in the map index, but instead of being assigned a number, are coded in the map number column with the abbreviations NL, which means not located. Each entry also includes the type or name of each operation.

Detailed information concerning the locations of active operations are on file on 7½-minute topographic maps on a scale of 1:24,000 (1 inch = 2000 feet) at the Bureau of Topographic and Geologic Survey, Mineral Resources Division, Executive House, 2nd and Chestnut Streets, Room 805, Harrisburg, Pennsylvania, where they are available for inspection.

Part 2 also lists the product(s) made at each operation. The key to the abbreviations used to identify the different uses being made for a product appears on page 3. The reference number shown for each product keys the reader back to Part 1 for additional information concerning the producer.

Part 3 is a company index arranged alphabetically. Reference numbers are keyed to the listing in Part 1.

Some of the minerals processed in Pennsylvania used raw materials from outside the state, or are synthetic products. They are abrasives, gypsum, iron-oxide pigments, manganese, mullite, perlite, rare earths and thorium, sulfur and vermiculite.

Excluded from the directory are companies involved in coal, oil and gas. The producers of these mineral fuels are listed in the *Department of Environmental Resources Annual Report on Mining, Oil and Gas, Land Reclamation and Conservation Activities**, which can be purchased from the State Book Store, P. O. Box 1365, Harrisburg, PA 17125.

The Keystone Coal Industry Manual, published annually by the McGraw Hill Publishing Company, 1221 Avenue of the Americas, New York, New York 10020, is also a source for listings of coal operators.

Copies of lists of oil and gas operators who were active in Pennsylvania from the year 1960 to present are available for a nominal cost from the Pennsylvania Bureau of Topographic and Geologic Survey Branch Office, 1201 Kossman Building, Forbes Avenue and Stanwix Street, Pittsburgh, Pennsylvania 15222.

*The cost for the 1975 issue is \$4.75 (plus a 6% sales tax if the publication is to be mailed to a Pennsylvania address). A check should be made payable to the Commonwealth of Pennsylvania.

ACKNOWLEDGEMENTS

The Bureau of Topographic and Geologic Survey is grateful for the cooperation of the Bureau of Surface Mine Reclamation in the Pennsylvania Department of Environmental Resources and for the information provided by the U. S. Bureau of Mines.

Mr. Thomas Heffner was responsible for obtaining basic information from the files of the Bureau of Surface Mine Reclamation, and his contribution proved to be most valuable.

KEY TO ABBREVIATIONS

A	Asphalt filler	Ms	Miscellaneous stone
Ab	Abrasive	NL	Not located
AcB	Acid brick	OC	Open cut
Ar	Architectural dimension stone	OP	Open pit
B	Blackboards	OQ	Open quarry
Ba	Bituminous aggregate	P	Paint filler
Bp	Bituminous paving aggregate	P-N	Pavers and nozzles
Bs	Building stone	Pp	Pouring pit refractories
Bt	Billiard table top	Ql	Quicklime
Ca	Concrete aggregate	Qt	Quarry tile
Cb	Curbing stone	R	Rubble
CB	Common brick	Ra	Rough architectural stone
Cna	Construction aggregates	Rc	Rough construction stone
Cs	Cut stone	Rf	Roofing paper filler and roofing
Ct	Ceramics tile	Rm	Roadbuilding, driveway material and fill
D	Dredge	Rr	Riprap jetty
Dc	Dressed construction dimension stone	RR	Railroad ballast
Dr	Dense roadbase	Rs	Refractory stone
Ds	Dressed stone	Ru	Rubber filler
Dt	Drain tile	S	Sand not classified
ExSh	Expanded shale	Sa	Abrasive sand
F	Filler (unclassified)	Sb	Sandblasting sand
Fa	Fine-sized aggregate	Sc	Construction sand
FB	Face brick	Sch	Chemical grade sand
FD	Field drains (septic tanks)	Se	Engine sand
Fg	Flagstone	Sen	Enamel sand
Fl	Flue or furnace lining	Sew	Sewer pipe
Fs	Filter stone	Sf	Fire sand
Ft	Filler, floor tile	SFA	Sintered fly ash
G	Ganister	Sfl	Filtration sand
Gr	Gravel	Sfo	Foundry and molding sand
Hl	Hydrated lime	Sfr	Flooring slate
Hs	House stone (dimension stone)	Sfu	Furnace sand
Is	Insecticide filler	Sg	Glass sand
Iss	Irregular shaped stone	Si	Filler sand
J	Joint cement filler	Sm	Grinding and polishing sand
M	Dressed monuments	S-N	Sleeves and nozzles
Ma	Macadem aggregate	Sp	Pottery sand

Sr	Roofing slate	Ua	Unspecified aggregate
Ss	Setting sand (brick industry)	UG	Underground mine
St	Structural and sanitary millstock	Unf	Unprocessed roadway material
Ste	Structural tile		and fill
Str	Surface treatment	Wh	Whiting
Tca	Terra cotta	Wt	Wall tile

PART 1 MINERAL RAW MATERIALS OR MINERAL PRODUCT INDEX

ABRASIVES

Non-Metallic; crude artificial

ALLEGHENY CO.

1. Satellite Alloy Corp. 9800 McKnight Rd.
Pittsburgh, PA 15237

Metallic

ALLEGHENY CO.

2. Abrasives Metals Co. 26th and B & O Railroad
Pittsburgh, PA 15222
3. Copperweld Corp., Copperweld Biometalllic Div. 9th & Monongahela Ave.
Glassport, PA 15045
4. Industeel Corp. 37th & A V Railroad
Pittsburgh Plant Pittsburgh, PA 15222

BUTLER CO.

5. Carborundum Co., The P. O. Box 380
Butler Plant Hagerstown, MD 21740

WESTMORELAND CO.

6. Durasteel Abrasive Co. 2601 Smallman Street
Pittsburgh Plant Pittsburgh, PA 15222

ARGILLITE

Crushed & broken stone

BERKS CO.

7. Pottstown Trap Rock Quarries, Inc. (*Ba, Ca, Dr, Str*) R. D. #1
Douglassville Quarry Douglassville, PA 19518

BUCKS CO.

8. Better Materials Corp.
OQ (*Ba, Dr, Rr*) P. O. Box 196
 Penns Park, PA 18943
9. Blooming Glen Quarry
OQ (*Ca, Dr, Ma, Rr, Str, Ua*) (S. M. Yoder Estate)
 P. O. Box 331
 Blooming Glen, PA 18911
10. Bucks County Crushed Stone,
 Inc. (*Ca*) Quarry Road
Ottsville Quarry Ottsville, PA 18942
11. Corson, G. & W. H., Inc.
 (*Ba, Ca, Dr, Ma, Rm*) P. O. Box 264
 (1) *Colony Quarry*
 (2) *Horn Quarry* Pt. Pleasant, PA 18950
 Box 1, Chalfont, PA 18914
12. Edison Quarry
 (*Dr, Fs, Str, Ua*) R. D. #3
Edison Quarry Doylestown, PA 18901
13. Eureka Stone Quarry, Inc.
 (*Ba, Ca, Dr*) 9119 Frankford Ave.
Eureka Quarry & Plant Philadelphia, PA 19114
Rush Valley Quarry #1 and
Plant also:
Rush Valley Quarry #2 and
Plant Lower State & Pickering
Warrington Quarry & Plant Roads
 Chalfont, PA 18914
14. H & K Materials Co., Inc.
OQ (*Ca, Dr, Ma, Rr, Str, Ua*) Skunk Hollow Rd., Box 1
 Chalfont, PA 18914
15. M & M Stone Co.
 (*Ua*) Box 196
Telford Quarry Harleysville, PA 19438
16. Mignatti Construction Co.,
 Inc. (*Ua*) 2310 Terwood Drive
Naceville Quarry Huntingdon Valley, PA
 19066
17. Miller Quarries, Inc.
OQ (*Ba, Dr, Rr, Str, Ua*) Mill Creek Road
 Rushland, PA 18956

18. Plumstead Township Highway Department (*Ua*)
Plumsteadville Quarry

MONTGOMERY CO.

19. Gill Quarries, Inc.
(Ba, Ca, Dr)
East Norristown Quarry &
Plant
Spring House Quarry
20. M & M Stone Co.
(Ua)
Harleysville Quarry
21. A. Manero & Sons
OQ (*Cna*)
22. Pottstown Trap Rock Quarries, Inc. (*Ba, Dr*)
Sanatoga Quarry
23. Union Paving Co.
(Ba, Dr, Ma, Str)
Montgomery Quarry

Plumsteadville, PA 18949
 Box 187
 Fairview Village, PA 19409

Box 196
 Harleysville, PA 19438

424 Willow Grove Avenue
 Glenside, PA 19038

Sanatoga Rd.
 Sanatoga, PA 19464

1 E. Wynnewood Rd.
 Wynnewood, PA 19096

Dimension Stone

MONTGOMERY CO.

24. Burdo Brothers
(Iss)
Burdo Quarry

29 Washington Avenue
 Philadelphia, PA 19127

CEMENT (PRODUCERS)

ALLEGHENY CO.

25. Marquette Cement Mfg. Co.
Pittsburgh Plant
26. United States Steel Corp.,
 Universal Atlas Cement
 Div.
Universal Plant

First American Center
 Nashville, Tenn. 37238

600 Grant Street
 Pittsburgh, PA 15230

BERKS CO.

27. National Gypsum Co., Allentown Cement Division
Evansville Quarry & Plant
Oley No. 1 Quarry
Oley No. 2 Quarry
Richmond No. 5 Quarry
- 325 Delaware Avenue
 Buffalo, NY 14022,
 also: 7th St. at Thruway
 Allentown, PA 18101

BUTLER CO.

28. Penn-Dixie Industries, Inc., Cement Division
W. Winfield Plant
Sandstone Quarry
- Box 152
 Nazareth, PA 18064

LAWRENCE CO.

29. Bessemer Cement Co., Div. Louisville Cement Co.
Bessemer Plant
- 510 Hanna Building
 Cleveland, Ohio 44115
 Bessemer, PA 16112
30. Medusa Cement Co., Div. of Medusa Corp.
Plant
Wampum Quarry
- Box 5668
 Cleveland, Ohio 44101
 Wampum, PA 16157

LEHIGH CO.

31. Coplay Cement Mfg. Co.
Quarry #8 & Plant
- Administration Office
 Easton Road
 Nazareth, PA 18064
32. The Whitehall Cement Mfg. Co.
Cementon Quarry & Plant
Egypt Quarry
Ormrod Quarry
- 5160 Main St.
 Whitehall, PA 18052

MONTGOMERY CO.

33. G. & H. W. Corson, Inc.
Plymouth Meeting Plant
- Stenton Ave. & Joshua Rd.
 Plymouth Meeting, PA
 19462

34. National Gypsum Co., Allen-
town Cement Division
W. Conshohocken Quarry 325 Delaware Ave.
Buffalo, NY 14022,
also: 7th Street at Thruway
Allentown, PA 18101

NORTHAMPTON CO.

35. Coplay Cement Mfg. Co.
Nazareth Plant & Quarry Easton Rd.
Nazareth, PA 18064
36. Hercules Cement Co., Div.
of Amcord, Inc.
Stockertown Operation 1770 Bathgate Rd.
Bethlehem, PA 18018
37. Keystone Portland Cement
Co.
Bath Operation 2200 Hamilton St.
P. O. Box 1785
Allentown, PA 18105,
also: Bath, PA 18014
38. Lone Star Industries, Inc.,
Mid-Atlantic Division
Nazareth Operation 162 Old Mill Rd.
W. Nyack, N.Y. 10994,
also: Box 270
Nazareth, PA 18064
39. Martin Marietta Cement,
Eastern Division
OQ P.O. Box 5618
Two Hamill Rd.
Baltimore, MD 21210
40. National Portland Cement Co.
Brodhead Plant 1203 West St. George Ave.
Linden, NJ 07036
41. Penn-Dixie Industries, Inc.
Plant #4 Quarry Box 152
Nazareth, PA 18064
42. United States Steel Corp.,
Universal Atlas Cement
Div.
Northampton Quarry & Plant
Altemose Clay Pit (Monroe
Co.)
Barlieb Clay Pit (Monroe Co.) 600 Grant Street
Pittsburgh, PA 15230

YORK CO.

43. Medusa Cement Co., Div.
 Medusa Corp.
 York Operations
 York Quarry
- P. O. Box 5668
Cleveland, Ohio 44101

**CLAY AND SHALE MATERIALS (excluding shale for road building
and/or fill)**

Animal Feed

LANCASTER CO.

44. Narvon Products, Inc.
 Narvon Mines
- Keller Ave. & Fruitville Pike
Lancaster, PA 17604

Clay for Cement (suppliers of raw material — not producers)

CLEARFIELD CO.

45. Union Clay Co., Inc.
 Union Clay-Coal Strip #1
- Grampian, PA 16835

CLINTON CO.

46. Fink & Stackhouse, Inc.
 Big Hepburn
 Monument Pit
- 2325 Newberry Street
Williamsport, PA 17701

CUMBERLAND CO.

47. Carlisle Clay, Inc., Div.
 Medusa Portland Cement
 Co.
 Toland Pit
- Box 5668
Cleveland, Ohio 44101

LANCASTER CO.

48. Narvon Products, Inc.
 Narvon Mines
- Keller Ave. & Fruitville Pike
Lancaster, PA 17604

Filler Materials

LANCASTER CO.

49. Narvon Products, Inc.
 (*P, Ru*)
 Narvon Mines
- Keller Ave. & Fruitville Pike
Lancaster, PA 17604

Pesticides and Related Products

LANCASTER CO.

50. Narvon Products, Inc.
Narvon Mines Keller Ave. & Fruitville Pike
 Lancaster, PA 17604

Refractories and/or Refractory Clays (Fire Clays)

ALLEGHENY CO.

51. Freeport Brick Co., Allegheny
 Brick Div. (*AcB, P-N*) Creighton, PA 15030
Workings

ARMSTRONG CO.

52. Continental Clay Products
UG Oak Street
 P.O. Box 69
 Kittanning, PA 16201

53. Drexel Refractories
 Div. of Drexel Industries
 Corp.
UG Kittanning P.O. Box 50
 Kittanning, PA 16201

54. Freeport Brick Co.
 (*Pp, S-N*) Drawer F
Workings Freeport, PA 16229

55. The Logan Clay Products Co.
 Worthington Ceramics Div.
 (*Fl*) Laird Crossing Plant Worthington, PA 16262

BEAVER CO.

56. Ralph A. Veon, Inc.
Workings Box 326
 Darlington, PA 16115

BLAIR CO.

57. Garfield Refractories Co.
Fire Clay Strip Mine Bolivar, PA 15923
58. General Refractories Co.
Claysburg Works
Frankstown Mill
Sprout Works 1520 Locust Street
 Philadelphia, PA 19102

CENTRE CO.

59. Harbison-Walker Refractories
 U.S. Div. of Dresser
 Industries, Inc.
Blair Pit Mining Department
 Mineral Springs, PA 16855,
 also: 2 Gateway Center,
 Pittsburgh, PA 15222

CLARION CO.

60. A. P. Green Refractories Co.
Kahle #1 P. O. Box 68
 New Bethlehem, PA 16242

CLEARFIELD CO.

61. Clearfield Clay Products,
 Div. of Crescent Brick Co.,
 Inc.
Dush #1 Pit Box 1110
Moore #1 Pit
Resco Property
Turner Pit
Wingert Property
Mill
 62. A. P. Green Refractories Co.,
 Climax Division
Dimeling No. 1 Pit Box 68
 New Bethlehem, PA 16242
63. Harbison-Walker Refractories
 Co., Div. Dresser Industries,
 Inc.
Mill 2 Gateway Center
Bell Run Mine
Bigler & Block Mine
Cristiana Korb Mine
Dill Mine
Dixon Strip
Korb Mine—“Deemer Tract”
Passmore Mine
Woodland Mine
 64. K & H Company
OP P. O. Box 22
 Grampian, PA 16838
65. Lansberry Coal & Excavating
 Co.
Open pit or stripplings R.D. #1
 Woodland, PA 16881

66. North American Refractories Co., Div. of Eltra Corp.
Curwensville #1
Deemer #1
Turner Strip
Wise Pit 1012 National City
 E-6th Bldg.
 Cleveland, Ohio 44114,
 also: Research Center
 Curwensville, PA 16833
67. Reese Brothers
Kanouff
Mease Pardee #1 709 McAteer Street
 Houtzdale, PA 16651
68. Swistock & George
Swistock #1 R.D. #1, Box 188
 Houtzdale, PA 16651
69. T & T Clay Co.
OP Kyler #1 Pleasant Hill
 Philipsburg, PA 16866
70. Thomas Bros. Coal Co.
Welty Strip Mine Grampian, PA 16838
71. Union Clay Co., Inc.
Union Clay-Coal Strip #1 Grampian, PA 16835
72. George Yingling & Sons
Yingling Clay Pit R.D., Box 382
 Morrisdale, PA 16856

CLINTON CO.

73. Peter M. Evock
West Branch Mine Box 242
 Howard, PA 16841
74. Harbison-Walker Refractories,
 Div. Dresser Industries,
 Inc.
Twin Run Mine Gateway 2
 Pittsburgh, PA 16855,
 also: Mining Dept.
 Mineral Springs, PA 16855
75. Mill Hall Clay Products, Inc.
(Fl)
Castanea Pit 44 Market Street
 Mill Hall, PA 17751

FAYETTE CO.

76. Harbison-Walker Refractories
 Co., Div. Dresser Industries,
 Inc.
Smith Mine Mining Dept.
 Mineral Springs, PA 16855,
 also: 2 Gateway Center
 Pittsburgh, PA 15222

77. Kaiser Refractories, Div.
 Kaiser Aluminum &
 Chem. Corp.
Potato Ridge
- Box 363
 Frostburg, MD 21532

HUNTINGDON CO.

78. Resco Products, Inc.
 Alexandria Fire Clay Div.
OP Kilns
- Alexandria, PA 16611,
 also: Box 1110
 Clearfield, PA 16830

JEFFERSON CO.

79. Brockway Clay Co.
 (Fl)
Plant
Wayne Morrison Strip
- Lock Box C
 Brockway, PA 15824

SOMERSET CO.

80. Bognar & Company, Inc.
Somerset Plant
81. C. Brant Mining Co.
OC
82. General Refractories Co.
Fort Hill Mine
83. Harbison-Walker Refractories
 Co., Div. Dresser Industries,
 Inc.
Garrett Operation
- Somerset, PA 15501
- R.D. #3
 N. Franklin Ave.
 Somerset, PA 15501
- 1520 Locust Street
 Philadelphia, PA 19102
- 2 Gateway Center
 Pittsburgh, PA 15222

Stoneware

CUMBERLAND CO.

84. Penn Products Corp.
Blackbird Clay Mine
- Bendersville, PA 17306

Structural Clay Products

ADAMS CO.

85. Alwine Brick Co.,
 Subsidiary of Glen-Gery
 Corporation (FB)
Alwine-Hamilton #1 Quarry
- Box 1542
 Reading, PA 19603
 Plant: Box 160
 New Oxford, PA 17350

*Alwine-Hamilton #2 Quarry
Alwine-Mt. Pleasant Quarry
Alwine-Oxford Quarry*

ALLEGHENY CO.

86. Milliken Brick Co., Inc.
(FB)
Harmarville Pit
- 2100 Montier Street
Pittsburgh, PA 15221

ARMSTRONG CO.

87. Continental Clay Products
UG *(FB, Ste)*
88. The Logan Clay Products Co.
Worthington Ceramics
Division *(Ct, Ft, Ste, Wt)*
Laird Crossing Plant
- Oak Street, P. O. Box 69
Kittanning, PA 16201
Box 39
Worthington, PA 16262

BEAVER CO.

89. Colonial Clay Products Co.
(FB)
Brady Run Pond
UG *Fallston*
90. Darlington Brick & Clay
Products Co., Subsidiary
of General Dynamics Corp.
(FB)
Alliance Shale Mine
Darlington No. 1 Mine
Darlington No. 2 Mine
Steiner Shale Mine
- P.O. Box 233
New Brighton, PA 15066
- Darlington, PA 16115

BERKS CO.

91. Clow Corporation
Clay Products Division
OP *(Sew)*
92. Glen-Gery Corp.
(FB)
Bern Twp. Quarry
Heidelberg Quarry
Shoemakersville No. 1 Quarry
Shoemakersville No. 2 Quarry
- P. O. Box 761
Pottstown, PA 19464
- Box 1542
Reading, PA 19603

BUCKS CO.

93. American Olean Tile Co.
Subs. of National Gypsum
Co. (*Qt*)
Quakertown Pit and Plant
94. Quakertown Brick & Tile Co.
(*CB, FB*)
Quakertown Pit

CHESTER CO.

95. McAvoy Vitrified Brick Co.
OP (*FB*)

McAvoy Lane
Phoenixville, PA 19460

CLEARFIELD CO.

96. Harbison-Walker Refractories
Co., Div. of Dresser
Industries, (*CB*)
Mill
Dill mine
97. Lansberry Coal & Excavating
Co. (*Tca*)
Open Pit or Strippings
98. Marion Brick Corp.
(*FB*)
Clearfield #1 Pit
99. Mill Hall Clay Products, Inc.
(*Dt, Tca*)
Castanea Pit

2 Gateway Center
Pittsburgh, PA 15222,
also: Mining Dept.
Mineral Springs, PA 16855

R.D. #1
Woodland, PA 16881

341 Mt. Vernon Ave.
Marion, Ohio 43302,
also: Mt. Joy Road
Clearfield, PA 16830

44 Market Street
Mill Hall, PA 17751

JEFFERSON CO.

100. Brockway Clay Co.
(*Sew*)
Plant
Wayne Morrison Strip
101. Hanley Co., Inc.
(*FB*)
Plant
Hanley Mine 4A

Lock Box C
Brockway, PA 15824

Summerville, PA 15864

LANCASTER CO.

102. Lancaster Brick Co.
 (FB)
Lancaster Pit
- Box 147, R.D. #1
 Lancaster, PA 17604

LAWRENCE CO.

103. Fenati Brick Co., Inc.
 (FB)
Plant
- Box 995
 New Castle, PA 16103
104. McQuiston Coal Co.
 (FB)
Midland Operation
- 120 E. Maitland Lane
 New Castle, PA 16105
105. Ralph A. Veon, Inc.
 (CB, FB, Dt, Sew)
Herbert Pit
Veon Pit
Whippo #26 Pit
- Box 326
 Darlington, PA 16115

LUZERNE CO.

106. Hazleton Brick Co.
 (CB, FB)
Plant and Pit
- Box 339
 Hazleton, PA 18201

McKEAN CO.

107. Hanley Co., Inc.
 (CB, FB)
Lewis Run Mine
- Summerville, PA 15864

MONTGOMERY CO.

108. Clow Corporation
 The Robinson/Streator Div.
OP (Sew)
- Box 761
 Pottstown, PA 19464,
 also: 1555 Hawthorne Lane
 West Chicago, Illinois 60185

NORTHUMBERLAND CO.

109. Glen-Gery Corporation
 (FB)
Watsonville Operation
- Box 1542
 Reading, PA 19603
110. Watsontown Brick Co.
QC (FB)
- Box 68
 Watsontown, PA 17777

SOMERSET CO.

111. Otto Brick & Tile Works, Inc. Box 217
OP (*CB, FB*) Springs, PA 15562

UNION CO.

112. Glen-Gery Corporation Box 1542
(*FB*) Reading, PA 19603
Watson town-White Deer

WASHINGTON CO.

113. Donley Brick Co. Box 558
OQ (*CB*) Washington, PA 15301

YORK CO.

114. Glen-Gery Corporation Box 1542
(*FB*) Reading, PA 19603
York-Dover
York-York

Water Treatment Clay Products

LANCASTER CO.

115. Narvon Products, Inc. Keller Ave. & Fruitville Pike
Narvon Mines Lancaster, PA 17604

CRUSHED AND BROKEN STONE (see under following rock types:
argillite, diabase, gneiss, hornfels, limestone and dolomite, mica
schist, quartzite, sandstone, serpentinite, and siltstone)

DIABASE AND RELATED ROCKS

Crushed and Broken Stone

ADAMS CO.

- 115A. Harry T. Campbell Sons R. D. #1, Box 128
Co., Div. of the Flintkote Gettysburg, PA 17325
Co. (*Ba, Rr, Ua*)
Gettysburg Quarry

BERKS CO.

116. The John T. Dyer Quarry
 Co., Subsidiary of Warner Co. (*Ba, Rr, RR, Ua*)
Clingan Quarry and Plant Box 188
 Birdsboro, PA 19508
117. The General Crushed Stone Co.
Morgantown Operation Box 231, Rt. 115
 Easton, PA 18042

BUCKS CO.

118. The General Crushed Stone Co.
(Ba, Dr)
Rock Hill Quarry Box 231, Box 115
 Easton, PA 18042

Dimension Stone

ADAMS CO.

119. Walter Quarry Co.
(Ds, Rc) 707 Gobin Drive
 Carlisle, PA 17013

CHESTER CO.

120. Pennsylvania Granite Corp.
OQ (*Ar, M*) Box 40-A
 St. Peters, PA 19470

LEHIGH CO.

121. Coopersburg Granite Co.
(Ds)
Plant Coopersburg, PA 18036

Roofing Granules (Metabasalt)

ADAMS CO.

122. GAF Corporation
Charmian Quarry 1361 Alps Road
 Wayne, NJ 07470
 Plant: P.O. Box 0
 Blue Ridge Summit, PA 17214

DIMENSION STONE (see under following rock types: argillite, diabase, gneiss, mica schist, quartzite, and sandstone)

DOLOMITE (see under limestone and dolomite)

FLAGSTONE (see under quartzite, sandstone and slate)

GNEISS AND RELATED ROCKS

Crushed and Broken Stone

BUCKS CO.

123. Joseph DiEgidio
Trevose Quarry

1349 Bristol Pike
 Andalusia, PA 19020

CHESTER CO.

124. Atglen Quarries, Inc.
OQ

Box 2,
 Atglen, PA 19310

125. Devault Stone Co.
OQ

Ridge Pike & Casland Rd.
 Norristown, PA 19404

126. Keystone Trappe Rock, Inc.
Keystone Quarry

c/o G. Eugene Beechwood,
 Jr.
 Village of Eagle
 Uwchland, PA 19480

DELAWARE CO.

127. The General Crushed Stone
 Co. (*Ba, Dr*)
Glenn Mills Quarry

Box 231
 Easton, PA 18042

MONTGOMERY CO.

128. Mignatti Construction Co.,
 Inc. (*Ba, Dr, Ua*)
Bethayres Quarry

2310 Terwood Rd.
 Bethayres, PA 19006

Dimension Stone

CHESTER CO.

129. Atglen Quarries, Inc.
OQ

Box 2
 Atglen, PA 19310

130. Keystone Trappe Rock, Inc.
Keystone Quarry c/o G. Eugene Beechwood,
 Jr.
 Village of Eagle
 Uwchland, PA 19480

GYPSUM

PHILADELPHIA CO.

131. United States Gypsum Co.
Philadelphia Plant 101 S. Wacker Drive
 Chicago, IL 60606

HORNFELS

Crushed and Broken Stone

MONTGOMERY CO.

132. R. K. Kibblehouse, Div. of
 Highway Materials, Inc.
(Ba, Rr, Ua)
Perkiomenville Quarry Drawer E
 Bridgeport, PA 19405

IRON ORE (see under Metals)

IRON OXIDE PIGMENTS (Finished—Natural and Manufactured)

ALLEGHENY CO.

133. United States Steel Corp. 600 Grant Street
 Room 5807
 Pittsburgh, PA 15230

BEAVER CO.

134. Beaver Alkali Products New York & Water Street
 Rochester, PA 15074

CARBON CO.

135. The Prince Manufacturing
 Co.
Bowmanstown Plant 700 Lehigh Street
 Bowmanstown, PA 18030

CHESTER CO.

136. Foote Mineral Co. Route 100
 Exton, PA 19341

MONTGOMERY CO.

137. Chemalloy Company, Inc. County Line Road No. 950
Bryn Mawr, PA 19010
138. Combustion Engineering C. E. Minerals Division
901 E. 8th Ave.
King of Prussia, PA 19406

NORTHAMPTON CO.

139. Reichard Coulston, Inc. 15 East 26th Street
New York, NY 10010
140. Pfizer, Inc., Mineral Pigments 235 East 42nd Street
New York, NY 10017
Easton, Pa. Plant

LIGHTWEIGHT AGGREGATE (see also Perlite and Vermiculite)

LUZERNE CO.

141. Bylite Corp. Box 1628, N. End Station
(*ExSh*) Wilkes-Barre, PA 18705
Lelite Plant

WASHINGTON CO.

- 141A. Freeport Brick Co. Free-lite Division
(*SFA*) Box 109
Free-Lite Plant Elrama, PA 15038

LIMESTONE AND DOLOMITE

Agricultural Stone (carbonate rock)

ADAMS CO.

142. Bethlehem Mines Corp. 701 E. Third Street
Stone & Slag Div. Bethlehem, PA 18016
Hanover Quarry & Plant R.D. #5
Hanover, PA 17331

ARMSTRONG CO.

143. Bradys Bend Corp. 502 Shenango Stop Road
UG *Bradys Bend Twp.* New Castle, PA 16101
Plant: R.D. #1
East Brady, PA 16028

144. Manor Minerals, Inc.
Manor #2 Quarry
Girty Plant
- 265 South Jefferson St.
 Kittanning, PA 16201

BEDFORD CO.

145. New Enterprise Stone &
 Lime Co., Inc.
Ashcom Quarry
- New Enterprise, PA 16664

BERKS CO.

146. Eastern Industries, Inc.
Hinterleiter Quarry
Oley Quarry
Kutztown Quarry
- Box 3188
 Wescosville, PA 18106

BLAIR CO.

147. New Enterprise Stone &
 Lime Co.
Canoe Creek Quarry
Roaring Spring Quarry
148. Sproul Lime & Stone Co.
Sproul Quarry
- New Enterprise, PA 16664
 R.D. #1
 Claysburg, PA 16625

BUTLER CO.

149. Allegheny Minerals Corp.
Allegheny No. 2 Quarry
Gardner Quarry
McCandless Quarry
Harrisville Quarry
150. Mercer Lime & Stone Co.,
 Inc.
Plant
151. Winfield Lime & Stone Co.,
 Inc.
UG Mine
- P.O. Box 10
 Kittanning, PA 16201
 Branchton, PA 16021,
 also: 525 Wm. Penn Place
 Pittsburgh, PA 15222
 West Winfield, PA 16062

CENTRE CO.

152. Neidigh Bros. Limestone Co.,
 Inc.
OQ
- Box 244A, R.D. #1
 Boalsburg, PA 16827

CHESTER CO.

156. Martin Marietta Corp.
Martin Marietta Aggregates,
N.E. Div.
Catanach Quarry 66 Long Clove Rd.
Congers, NY 10920,
also: P.O. Box 507
Malvern, PA 19355

157. Warner Co.
Cedar Hollow Quarry 1721 Arch Street
Philadelphia, PA 19103

CLARION CO.

158. Allegheny Minerals Co. P. O. Box 10
Parker Quarry Kittanning, PA 16201

CUMBERLAND CO.

159. Locust Point Quarries, Inc.
Locust Point Quarry R.D. #1, Box 289
Mechanicsburg, PA 17055

160. Valley Quarries, Inc.
Subsidiary of New Enterprise Stone & Lime Co.
Quarry Rt. #5
Shippensburg, PA 17257

FRANKLIN CO.

161. New Enterprise Stone & Lime Co. New Enterprise, PA 16664
Dry Run Quarry

FULTON CO.

162. H. B. Mellot Estate, Inc. 302 S. Second St.
Big Cove Tannery McConnellsburg, PA 17233
Charlton Quarry

HUNTINGDON CO.

163. Narehood Bros. Co., Inc. Jones Bldg.
Tyrone Forge Quarry Tyrone, PA 16686
164. New Enterprise Stone & Lime New Enterprise, PA 16664
 Co.
Hesston Quarry
McConnelstown Quarry
Orbisonia Quarry

JUNIATA CO.

165. Juniata Limestone Co. R.D. #2
 D. E. Smith, Inc. Box 105
Fayette Township Quarry Mifflintown, PA 17059

LANCASTER CO.

166. David M. Burkholder, Inc. R.D. #3
OQ Ephrata, PA 17522
167. Compass Quarries, Inc. Box 160
Compass Quarries Honey Brook, PA 19344
168. Martin Limestone, Inc. Gap R.D. #1
Limeville Quarry Gap, PA 17527
Weaverland Quarry
169. D. M. Stoltzfus & Son, Inc. Box 231
Paradise Quarry Talmage, PA 17580
Talmage Quarry

LAWRENCE CO.

170. New Castle Lime & Stone Co. R.D. #1
Erskine Quarry Edinburg, PA 16116

LEBANON CO.

171. Calcite Quarry, Inc., Subs. Box 629
 of G. and W. H. Corson, Lebanon, PA 17042
 Inc.
OQ

LEHIGH CO.

172. The New Jersey Zinc Co.,
 Sub. of Gulf & Western
 Industries, Inc.
Friedensburg Mine
- R.D. #1
 Center Valley, PA 18034
 also: 65 East Elizabeth Ave.
 Bethlehem, PA 18017

LYCOMING CO.

173. Lycoming Silica Sand Co.,
 Subs. of Koppers Co., Inc.
Lime Bluff Quarry
Pine Creek Quarry
- 420 Broad St.
 Montoursville, PA 17754

MONTGOMERY CO.

174. G. & H. W. Corson, Inc.
Plymouth Meeting Quarry
- Stenton Ave. & Joshua Rd.
 Plymouth Meeting, PA 19462
175. Glasgow Quarry, Division of
 Glasgow, Inc.
McCoy Quarry
- Conshohocken Rd.
 Conshohocken, PA 19428

MONTOUR CO.

176. Lycoming Silica Sand Co.
 Subs. of Koppers Co., Inc.
Mausdale Quarry #1
Milton Quarry
- 420 Broad Street
 Montoursville, PA 17754

NORTHAMPTON CO.

177. Bethlehem Mines Corp.
Freemansburg Quarry
- 701 E. 3rd Street
 Bethlehem, PA 18016

NORTHUMBERLAND CO.

178. Meckleys Limestone Prod-
 ucts, Inc.
OQ
- R.D. #1
 Herndon, PA 17830

SNYDER CO.

179. National Limestone Quarry,
 Inc.
OQ
- R.D. #1
 Middleburg, PA 17842

SOMERSET CO.

180. Keystone Lime Co. Springs, PA 15562
Galley Farm

YORK CO.

181. The J. E. Baker Co. Box 1189
York Quarry
 York, PA 17405
182. Gold Bond Building Products, 501 Hokes Mill Road
 Div. of National Gypsum
 Co.
York Quarry
York-Salem Mine
 York, PA 17405
183. Thomasville Stone & Lime Box 23
Thomasville Operation
 Thomasville, PA 17364
184. York Stone & Supply Co. Roosevelt Ave., Box 1948
York Quarry
 York, PA 17405

Carbonate Aggregate

ADAMS CO.

185. Bethlehem Mines Corp. 701 E. Third Street
 Stone & Slag Div.
(Ba, Ca, Dr, Str, RR)
Hanover Quarry & Plant
 Bethlehem, PA 18016
- R.D. #5,
 Hanover, PA 17331
186. Harry T. Campbell Sons Co., R.D. #1, Box 128
 Div. of the Flintkote Co.
(Ua)
Fairfield Quarry and Plant
 Gettysburg, PA 17325

ARMSTRONG CO.

187. Bradys Bend Corp. 502 Shenango Stop Road
UG *Bradys Bend Township*
Plant
 New Castle, PA 16101
 R.D. #1
 East Brady, PA 16028

188. Manor Minerals, Inc.
(Dr, Str, Ua)
Manor #2 Quarry
Girty Plant
- 265 South Jefferson St.
 Kittanning, PA 16201

BEDFORD CO.

189. New Enterprise Stone &
 Lime Co., Inc. *(Bp, Cna,*
Dr, Str, Rr, RR, Ua)
Ashcom Quarry
- New Enterprise, PA 16664

BERKS CO.

190. No. 1 Contracting Corp.
(Dr, Str, Ua)
Maxatawney Quarry
- Box 450
 W. Pittston, PA 18640

191. Berks Products Corp. *(Ba, Ca)*
Temple Quarry
Ontelaunee Twp.
- 726 Spring Street
 Reading, PA 19603

192. E. J. Breneman, Inc.
(Ba, Ca, Dr)
Sinking Spring Quarry
- P. O. Box 478
 Pottstown, PA 19464

193. Eastern Industries, Inc.
Hinterleiter Quarry
Oley Quarry
Kutztown Quarry
- Box 3188
 Wescosville, PA 18106

194. Keystone Quarry Co.
(Ca)
Kutztown Quarry
- Box 239
 Kutztown, PA 19530

195. Tulpehocken Stone, Inc.
(Ca)
Robesonia Quarry
- Quarry Road, Box 25
 Robesonia, PA 19551

BLAIR CO.

196. Chimney Rocks Lime &
 Stone Co.
Blair Twp. Quarry
- R. D. #1
 Hollidaysburg, PA. 16648

197. Eldorado Stone Co.
Ellenberger Quarry 5911 California Ave.
Altoona, PA 16601
198. Grannas Bros. Stone & As-
phalt Co., Inc.
(*Ba, Ua*) R. D. #2,
Hollidaysburg Quarry Box 399
Hollidaysburg, PA 16648
199. New Enterprise Stone & Lime
Co. (*Ba, Ca, Dr, Ma, Rr,*
RR, Str, Ua) New Enterprise, PA 16664
Canoe Creek Quarry
Roaring Spring Quarry

BUCKS CO.

200. Bituminous Service Corp.
(*Dr*) Union & Pennsylvania Rail-
Buckingham Quarry road
West Chester, PA 19380
201. New Hope Crushed Stone &
Lime Co. Phillips Mill Rd.
OQ (*Cna*) New Hope, PA 18938

BUTLER CO.

202. Allegheny Minerals Corp.
(*Ba, Ca, Rr, Str*) P. O. Box 10
Allegheny No. 2 Quarry Kittanning, PA 16201
Gardner Quarry
McCandless Quarry
Harrisville Quarry
203. Sechan Limestone Industries,
Inc. R. D. #1
Limestone Stripplings Portersville, PA 16051
204. Winfield Lime & Stone Co.,
Inc. West Winfield, PA 16062
UG *Mine*

CENTRE CO.

205. Black Hawk Limestone, Inc.
Black Hawk Quarry R. D., Box #30
Centre Hall, PA 16828

206. Herbert R. Imbt, Inc.
Curtin Gap Quarry
Jacksonville Quarry
207. Neidigh Bros. Limestone Co., Inc.
OQ
208. Gold Bond Building Products,
 Div. National Gypsum Co.
Bellefonte Operation
209. Marblehead Lime Co., Div.
 of General Dynamics
Pleasant Gap Operation
210. Martin Marietta Aggregates,
 Northeast Division
White Rock Quarry and Mill
211. Warner Co.
UG Belle Mine
- P. O. Box 155
 State College, PA 16801
- Box 244A, R. D. #1
 Boalsburg, PA 16827
- Box 118
 Bellefonte, PA 16823
- Box 89
 Bellefonte, PA 16823
- 66 Long Clove Road
 Congers, New York 10920
- P. O. Box 448
 Bellefonte, PA 16823

CHESTER CO.

212. The General Crushed Stone Co.
Downingtown Quarry
213. Martin Marietta Corp., Martin Marietta Aggregates,
 Northeast Division
Catanach Quarry
214. Warner Co.
Cedar Hollow Quarry
- Box 231, Rt. 115
 Easton, PA 18042
- 66 Long Clove Rd.
 Congers, NY 10920,
 also: P.O. Box 507
 Malvern, PA 19355
- 1721 Arch Street
 Philadelphia, PA 19103

CLARION CO.

215. AH — RS Coal Corp.
Turkey City Quarry
216. Allegheny Minerals Corp.
(Ba, Ca, Rr, Str)
Parker Quarry
- Box A
 Bruin, PA 16022
- P. O. Box 10
 Kittanning, PA 16201

217. Emlenton Limestone Co., Inc. Box 67
Turkey City Quarry Emlenton, PA 16031
218. Manor Minerals, Inc. 265 So. Jefferson St.
(Dr, Ua) Kittanning, PA 16201
Clarion Quarry

CLINTON CO.

219. Faylor-Middlecreek, Inc. Box 44
Logantown Quarry Winfield, PA 17889
220. Lycoming Silica Sand Co. 420 Broad Street
(Ba, Ca, Dr, Rr, RR, Str) Montoursville, PA 17754
Salona Quarry

COLUMBIA CO.

221. Lycoming Silica Sand Co. R.D. #4
Mausdale Division Danville, PA 17821
(Ba, Ca, Dr, Rr, Str)
Mausdale #2 Quarry

CUMBERLAND CO.

222. Bobali Corporation 1001 Paxtang
Bowmansdale Quarry Harrisburg, PA 17104
223. Hempt Bros., Inc. Route #1
(Ba, Ca, Dr, Str) 205 Creek Rd.
Camp Hill Quarry Camp Hill, PA 17011
224. Locust Point Quarries, Inc. R.D. #1
Locust Point Quarry Box 289
Mechanicsburg, PA 17055
225. Pennsy Supply, Inc. Box 3331
(Ba, Ca, Dr) Harrisburg, PA 17105
Silver Spring Quarry
226. Union Quarries, Inc. Box 686
(Ca, Dr) Carlisle, PA 17013
Bonny Brook Quarry

227. Valley Quarries, Inc., Subs.
of New Enterprise Stone
and Lime Co. (*Ba, Ca, Str,*
Ua)
Quarry
- Route #5
Shippensburg, PA 17257

DAUPHIN CO.

228. Hempt Bros. Inc.
(*Ba, Dr*)
Steelton Quarry
229. Pennsy Supply, Inc.
(*Ba, Ca, Dr*)
Hummelstown Quarry
230. Vernell, Inc.
Vernell Quarry
- 205 Creek Road
Camp Hill, PA 17011
- Box 3331
Harrisburg, PA 17105
- P.O. Box 289
Palmyra, PA 17078

FAYETTE CO.

231. Commercial Stone Co., Inc.
Connellsville Bluestone
Quarry
Rich Hill Quarry
232. Adam Eidemiller, Inc.
Rhodes Quarry
233. Martin Marietta Corp.,
Martin Marietta Aggregates, Northeast Division
Coolspring Quarry
- P.O. Box 208
Belle Vernon, PA 15012
- Greensburg, PA 15601
- 66 Long Clove Rd.
Congers, N.Y. 19020

FRANKLIN CO.

234. New Enterprise Stone &
Lime Co. (*Ca, Dr, Fs, Rr,*
RR, Str, Ua)
Dry Run Quarry
235. Valley Quarries, Inc., Subs.
New Enterprise Stone &
Lime Co. (*Ba, Ca, Dr, Ma,*
RR, Str, Ua)
New Franklin Quarry
- New Enterprise, PA 16664
- Route 8
Chambersburg, PA 17201

FULTON CO.

236. H. B. Mellot Estate, Inc. 302 S. Second St.
(Ba, Ca, Ma, RR, Str, Ua) McConnellsburg, PA 17233
Big Cove Tannery
Charlton Quarry

HUNTINGDON CO.

237. Narehood Bros. Co., Inc. Jones Bldg.
Tyrone Forge Quarry Tyrone, PA 16686
238. New Enterprise Stone & New Enterprise, PA 16664
 & Lime Co. *(Ba, Ca, Dr,*
Fs, Ma, Rr, RR, Str, Ua)
Hesston Quarry
McConnelstown Quarry
Orbisonia Quarry
239. Parsons Stone & Lime Co. Box 317
Shade Gap Quarry and Mill Orbisonia, PA 17243
240. Warner Co. *(Ba, Ca, Dr, Rr,*
RR, Str, Ua) 1721 Arch Street
Union Furnace Philadelphia, PA 19103,
 also: R.D. #1, Box 93A
 Tyrone, PA 16686

JEFFERSON CO.

241. Sugar Hill Limestone Co. 11 Brown Street
OQ Reynoldsville, PA 15851

JUNIATA CO.

242. Juniata Limestone Co. D. E. Smith, Inc.
Fayette Township Quarry R.D. #2, Box 105
 Mifflintown, PA 17059

LANCASTER CO.

243. Binkley & Ober, Inc. Box 7
(Ba, Ca, Ma, Rr, RR, Ua) E. Petersburg, PA 17520
OQ
244. The Blue Ball Stone Co., Inc. Blue Ball, PA 17506
(Ba, Ca, Dr, Ma, Rr, RR,
Ua)
OQ

245. J. M. Brenner Co.
Brenner Quarry P. O. Box 622
Lancaster, PA 17604
246. David M. Burkholder, Inc.
OQ (*Ba, Dr*) R.D. #3
Ephrata, PA 17522
247. Compass Quarries, Inc.
Compass Quarries Box 160
Honey Brook, PA 19344
248. J. Miller Eshleman & Son,
Inc. (*Ca, Dr, Ma, Ua*) Box 295
Landisville Quarry Landisville, PA 17538
249. A. G. Kurtz & Sons, Inc.
(*Ba, Ca, Dr, Fa, Str*) Box 206
Denver Quarry Ephrata, PA 17522
250. Lancaster Lime & Stone Corp.
Div. of Kurtz Materials Co. 930 Point View Ave.
Schoeneck Operation Ephrata, PA 17522
251. Martin Limestone, Inc.
(*Ca, Dr, Ma*) Gap, R.D. #1
Limeville Quarry Gap, PA 17527
Weaverland Quarry
252. H. R. Miller, Inc.
OQ (*Ba, Ca, Dr, Ua*) 1756 Wabank Rd.
Lancaster, PA 17603
253. Rohrers Quarry, Inc.
(*Ba, Ca, Dr, Str*) R.D. #3
Lititz Quarry Lititz, PA 17543
254. D. M. Stoltzfus & Sons, Inc.
(*Ba, Ca, Dr, Ma, Str*) Box 231
Paradise Quarry Talmage, PA 17580
Talmage Quarry
255. Union Quarries, Inc.
(*Ba, Ca, Dr, Ma, Str*) 1001 Paxtang St.
Rheems Quarry Harrisburg, PA 17105

LAWRENCE CO.

256. Sechan Limestone Industries, Inc. R.D. #1
OQ Portersville, PA 16052
257. Vanport Stone, Inc. Box 144
(Ba, Ca, Str) Edinburg, PA 16116
No. 3 W. Psbg Quarry

LEBANON CO.

258. Bethlehem Mines Corp. Route 422
 Millard Quarry Division Annville, PA 17003,
(Ba, Ca, Dr, Fa, RR, Str) also: Bethlehem, PA 18016
Millard Quarry
259. Calcite Quarry, Inc. Box 629
 Sub. of G. and W. H. Cor Lebanon, PA 17042
 son, Inc.
OQ *(Ba, Ca, Dr, Str)*
260. H. J. Smith & Sons, Inc. Box 200, R.D. #1
(Ba, Ca, Dr, Ma) Annville, PA 17003
Fontana Quarry

LEHIGH CO.

261. Eastern Industries, Inc. P. O. Box 3188
Ormrod Quarry Wescosville, PA 18090
Whitehall Quarry
262. Roy J. Kern 2575 Main Street
(Ca, Dr) Schnecksville, PA 18078
Kern Quarry
263. Lehigh Stone Co. R. D. #1
 Sub. of Medusa Corp. Coplay, PA 18037
(Ba, Ca, Dr, Str, Ua)
Ormrod Quarry

LYCOMING CO.

264. Lycoming Silica Sand Co. 420 Broad Street
 Subsidiary of Koppers Co., Inc. (*Ba, Ca, Dr, Rr, RR, Str*)
Lime Bluff Quarry
Pine Creek Quarry

MIFFLIN CO.

265. Derry Limestone Co., Inc. R.D. #1, Box 24-A
Lewistown Quarry Lewistown, PA 17044
266. Faylor-Middlecreek, Inc. Box 44
McVeytown Quarry Winfield, PA 17889
Naginey Quarry
267. General Paving & Construction, Inc. R.D. #1, Box 300
Belltown Quarry McClure, PA 17841

MONROE CO.

268. Herbert R. Imbt, Inc. Box 155
(Dr, Str) State College, PA 16801
Bossardville Quarry and Plant

MONTGOMERY CO.

269. G. & H. W. Corson, Inc. Stenton Ave. & Joshua Rd.
(Cna) Plymouth Meeting, PA 19462
Plymouth Meeting Quarry
270. Glasgow Quarry, Division of Glasgow, Inc. (*Ba, Ca, Dr*) Conshohocken Rd.
McCoy Quarry Conshohocken, PA 19428

MONTOUR CO.

271. Lycoming Silica Sand Co., Subsidiary of Koppers Co., Inc. (*Ba, Cna, Dr, Rr, Str*) 420 Broad St.
Mausdale Quarry #1
Milton Quarry Montoursville, PA 17754

272. Royer Lime Quarry
OQ R.D. #2
 Milton, PA 17847

NORTHAMPTON CO.

273. Bethlehem Mines Corp.
(Rr) 701 East 3rd St.
Freemansburg Quarry Bethlehem, PA 18016
274. Joseph Ciccone & Sons, Inc.
OQ Box 247, R.D. #2
 New Hope, PA 18938
275. No. 1 Contracting Co.
Nazareth Quarry P. O. Box 450
 W. Pittston, PA 18640
276. The Trumbower Company,
 Inc. Easton Road
Nazareth Quarry Nazareth, PA 18064

NORTHUMBERLAND CO.

277. Meckleys Limestone Prod-
 ucts, Inc. R. D. #1
OQ *(Ba, Dr, Ma, Str, Ua)* Herndon, PA 17830

PERRY CO.

278. Four Forty-One Corporation
 DBA Perry Rock 1001 Paxtang Street
Dromgold Quarry Box 3331
 Harrisburg, PA 17105

SCHUYLKILL CO.

279. Huss Contracting Co.
(Ca, Dr, Ma) Ringtown, PA 17967
Andreas Quarry

SNYDER CO.

280. Fremont Quarry, Inc. 14 South Main St.
OQ Middleburg, PA 17842
281. National Limestone Quarry,
 Inc. R.D. #1
OQ *(Cna, Dr, Str)* Middleburg, PA 17842

SOMERSET CO.

282. Keystone Lime Co. Springs, PA 15562
(Ba, Dr, Str)
Galley Farm
283. New Enterprise Stone & New Enterprise, PA 16664
 Lime Co., Inc. *(Ba, Ca, Dr,*
Ma, Rr, RR, Str)
Bakersville Quarry

UNION CO.

284. Taylor-Middlecreek, Inc. Box 44
(Ba, Dr, Ua)
Lewisburg Quarry
Winfield Quarry
285. John L. Iddings 609 Green Street
OQ *(Dr, Ua)* Mifflinburg, PA 17844

WASHINGTON CO.

286. Washington Stone Co., Inc. 695 Lakeview Dr.
Vance Plant Washington, PA 15301

WESTMORELAND CO.

287. Commercial Stone Co., Inc. P.O. Box 208
(Dr, Rr, Ua)
Belle Vernon Mine
288. Eidemiller Enterprises, Inc. R.D. #8
(Ca, Dr, Ma)
Baggaley Plant
Whitney Quarry
289. Paul W. Kendi & Sons, Inc. R. D. #3
OQ Mt. Pleasant, PA 15666
290. Latrobe Construction Co. Box 150
(Ba, Ca, Dr, Rr, Ua)
Longbridge Mine Latrobe, PA 15650
291. Penn Aggregates R. D. #1
(Dr, Ma)
Laspinia Quarry Irwin, PA 15642

292. Warner Co. (*Cna, Rm, RR*) 1721 Arch Street
Torrance Quarry Philadelphia, PA 19103

YORK CO.

- | | | |
|------|--|--|
| 293. | The J. E. Baker Co.
<i>York Quarry</i> | Box 1189
York, PA 17405 |
| 294. | Codorus Stone & Supply, Inc.
(<i>Ca, Dr, Ma</i>)
<i>Emigsville Quarry</i> | 700 N. Sherman St.
York, PA 17400 |
| 295. | Gold Bond Building Products,
Div. of National Gypsum
Co. (<i>Ab, Dr</i>)
<i>York Quarry</i>
<i>York-Salem Mine</i> | 501 Hokes Mill Rd.
York, PA 17405 |
| 296. | Kline's Quarry, Inc.
(<i>Ca, Ma, Str, Ua</i>)
<i>Wrightsville Quarry</i> | P.O. Box 130
Wrightsville, PA 17368 |
| 297. | Standard Concrete Products
Co., Inc. (<i>Ca, Dr</i>)
<i>Concordus Quarry</i> | 700 N. Sherman Street
York, PA 17402 |
| 298. | Thomasville Stone & Lime
Co.
<i>Thomasville Operation</i> | Box 23
Thomasville, PA 17364 |
| 299. | York Building Products Co.,
Inc. (<i>Ba, Ca, Ma, Str, Ua</i>)
<i>Thomasville Quarry</i> | 1020 N. Hartley Street
York, PA 17405 |
| 300. | York Stone & Supply Co.
(<i>Ba, Ca, Dr, Fa, Ma,</i>
<i>Rr, Str</i>)
<i>York Quarry</i> | Roosevelt Ave., Box 1948
York, PA 17405 |

Carbonate Raw Materials for Cement

BEDFORD CO.

301. Bedford County Stone & Lime Co. R.D. #1
New Paris Quarry New Paris, PA 15554

BERKS CO.

302. Eastern Industries, Inc.
Hinterleiter Quarry
Oley Quarry
Kutztown Quarry
- Box 3188
 Wescosville, PA 18106

CENTRE CO.

303. Marblehead Lime Co., Div.
 of General Dynamics
Pleasant Gap Operation
- Box 89
 Bellefonte, PA 16823

LANCASTER CO.

304. Lancaster Lime & Stone Corp.,
 Div. of Kurtz Materials Co.
Schoeneck Operation
- 930 Point View Avenue
 Ephrata, PA 17522

LEBANON CO.

305. Bethlehem Mines Corp.,
 Millard Quarry Division
Millard Quarry
306. Calcite Quarry, Inc.
 Subsidiary of G. and W. H.
 Corson, Inc.
- Route 422
 Annville, PA 17003,
 also: Bethlehem, PA 18016
- Box 629
 Lebanon, PA 17042

OQ

LEHIGH CO.

307. Lehigh Stone Co., Subsidiary
 of Medusa Corp.
Ormrod Quarry
- R.D. #1
 Coplay, PA 18037

YORK CO.

308. Thomasville Stone & Lime
 Co.
Thomasville Operation
- Box 23
 Thomasville, PA 17364

Filler Material

ADAMS CO.

309. Bethlehem Mines Corp.,
 Stone & Slag Division
 (F)
Hanover Quarry & Plant
- 701 E. Third Street
 Bethlehem, PA 18016,
 also: R.D. #5
 Hanover, PA 17331

CENTRE CO.

310. Gold Bond Building Products, Box 118
 Div. National Gypsum Co. Bellefonte, PA 16823
Bellefonte Operation

CHESTER CO.

311. Warner Company 1721 Arch Street
(A) Philadelphia, PA 19103
Cedar Hollow Quarry

LEHIGH CO.

312. The New Jersey Zinc Co., R.D. #1
 Subsidiary of Gulf & West- Center Valley, PA 18034,
 ern Industries, Inc. *(A)* also:
Friedensville Mine 65 East Elizabeth Ave.
 Bethlehem, PA 18017

YORK CO.

313. Gold Bond Building Products, 501 Hokes Mill Rd.
 Div. National Gypsum Co. York, PA 17405
(A, Wh)
York Quarry
York-Salem Mine
314. Thomasville Stone & Lime Box 23
 Co. Thomasville, PA 17364
Thomasville Operation
315. White Pigment Corp. Box 881
West York Quarry York, PA 17405

Filter Stone

BEDFORD CO.

316. New Enterprise Stone & New Enterprise, PA 16664
 Lime Co., Inc.
Ashcom Quarry

BLAIR CO.

317. New Enterprise Stone & New Enterprise, PA 16664
 Lime Co., Inc.
Canoe Creek Quarry
Roaring Spring Quarry

SOMERSET CO.

318. New Enterprise Stone & Lime Co., Inc.
Bakersville Quarry

Fluxstone (carbonate)

ADAMS CO.

319. Bethlehem Mines Corp., Stone & Slag Div.
Hanover Quarry & Plant

701 E. Third Street
Bethlehem, PA 18016
also: R.D. #5
Hanover, PA 17331

ARMSTRONG CO.

320. Bradys Bend Corp.
UG *Bradys Bend Twp.*

502 Shenango Stop Road
New Castle, PA 16101
Plant: R.D. #1
East Brady, PA 16028

BUTLER CO.

321. Allegheny Minerals Corp.
Allegheny No. 2 Quarry
Gardner Quarry
Harrisville Quarry
McCandless Quarry

P.O. Box 10
Kittanning, PA 16201

CENTRE CO.

322. Gold Bond Building Products,
Div. National Gypsum
Company
Bellefonte Operation

Box 118
Bellefonte, PA 16823

323. Marblehead Lime Co., Div.
of General Dynamics
Pleasant Gap Operation

Box 89
Bellefonte, PA 16823

324. Warner Co.
UG *Belle Mine*

P.O. Box 448
Bellefonte, PA 16823

CHESTER CO.

325. Martin Marietta Corp., Martin Marietta Aggregates, N.E. Div.
Catanach Quarry 66 Long Clove Rd.
 Congers, NY 10920,
 also: P.O. Box 507
 Malvern, PA 19355
326. Warner Company
Cedar Hollow Quarry 1721 Arch Street
 Philadelphia, PA 19103

LANCASTER CO.

327. Lancaster Lime & Stone Corp.,
 Div. of Kurtz Materials Co.
Schoeneck Operation 930 Point View Ave.
 Ephrata, PA 17522

LEBANON CO.

328. Bethlehem Mines Corp.
 Millard Quarry Division
Millard Quarry Route 422
 Annville, PA 17003,
 also: Bethlehem, PA 18016
329. Calcite Quarry, Inc.
 Subsidiary of G. and W. H.
 Corson, Inc. Box 629
OQ Lebanon, PA 17042

MONTGOMERY CO.

330. G. & H. W. Corson, Inc.
Plymouth Meeting Quarry Stenton Ave. & Joshua Rd.
 Plymouth Meeting, PA 19462
331. Glasgow Quarry
 Div. of Glasgow, Inc.
McCoy Quarry Conshohocken Road
 Conshohocken, PA 19428

YORK CO.

332. The J. E. Baker Co.
York Quarry Box 1189
 York, PA 17405
333. Thomasville Stone & Lime
 Co.
Thomasville Operation Box 23
 Thomasville, PA 17364

Glass Manufacture (carbonate)

CENTRE CO.

334. Gold Bond Building Products
 Div. National Gypsum
 Company
Bellefonte Operation
335. Warner Company
UG *Belle Mine*
- Box 118
 Bellefonte, PA 16823
- P.O. Box 448
 Bellefonte, PA 16823

YORK CO.

336. Thomasville Stone & Lime
 Co.
Thomasville Operation

Box 23
 Thomasville, PA 17364

Lime

ADAMS CO.

337. Bethlehem Mines Corp.
 Stone & Slag Division
 (*Ql*)
Hanover Quarry & Plant

701 E. Third Street
 Bethlehem, PA 18016
 also: R.D. #5
 Hanover, PA 17331

BEDFORD CO.

338. New Enterprise Stone &
 Lime Co., Inc.
Ashcom Quarry

New Enterprise, PA 16664

BUTLER CO.

339. Mercer Lime & Stone Co.
 (*Hl, Ql*)
Plant

Branchton, PA 16021,
 also: 525 William Penn Place
 Pittsburgh, PA 15222

CENTRE CO.

340. Gold Bond Building Products,
 Div. National Gypsum
 Company (*Hl, Ql*)
Bellefonte Operation

Box 118
 Bellefonte, PA 16823

341. Marblehead Lime Co., Divi-
 sion of General Dynamics
 (*Hl, Ql*)
Pleasant Gap Operation

Box 89
 Bellefonte, PA 16823

342. Warner Company
(Hl, Ql)
UG *Belle Mine*

P.O. Box 448
Bellefonte, PA 16823

CHESTER CO.

343. Warner Company
(Hl, Ql)
Cedar Hollow Quarry

1721 Arch Street
Philadelphia, PA 19103

LAWRENCE CO.

344. New Castle Lime & Stone
Co.
Erskine Quarry

R.D. #1
Edinburg, PA 16116

LEBANON CO.

345. Bethlehem Mines Corp.
Millard Quarry

Route 422
Annville, PA 17003,
also: Bethlehem, PA 18016

MIFFLIN CO.

346. Honey Creek Lime Co.
Shrader Quarry and Plant

R.D. #1
Reedsdale, PA 17084

MONTGOMERY CO.

347. G. & H. W. Corson, Inc.
Plymouth Meeting Quarry

Stenton Ave. & Joshua Rd.
Plymouth Meeting, PA 19462

YORK CO.

348. The J. E. Baker Co.
York Quarry

Box 1189
York, PA 17405

Mineral Foods

YORK CO.

349. Thomasville Stone & Lime
Co.
Thomasville Operation

Box 23
Thomasville, PA 17364

Paper Manufacture (carbonate)

YORK CO.

350. White Pigment Corp.
West York Quarry Box 881
York, PA 17405

Refractory (dolomite)

CHESTER CO.

351. Martin Marietta Corp.,
Martin Marietta Aggregates, N.E. Div.
Catanach Quarry 66 Long Clove Rd.
Congers, NY 10920,
also: P.O. Box 507
Malvern, PA 19355
352. Warner Company
Cedar Hollow Quarry 1721 Arch Street
Philadelphia, PA 19103

YORK CO.

353. The J. E. Baker Co.
York Quarry Box 1189
York, PA 17405

Rock Dust for Coal Mines (carbonate)

BEDFORD CO.

354. New Enterprise Stone &
Lime Co., Inc.
Ashcom Quarry New Enterprise, PA 16664

BUTLER CO.

355. Allegheny Minerals Corp.
Allegheny No. 2 Quarry P.O. Box 10
Gardner Quarry Kittanning, PA 16201
Harrisville Quarry
McCandless Quarry

CENTRE CO.

356. Gold Bond Building Products,
Div. National Gypsum
Company
Bellefonte Operation Box 118
Bellefonte, PA 16823
357. Warner Company
UG *Belle Mine* P.O. Box 448
Bellefonte, PA 16823

Stone Sand (carbonate)
CENTRE CO.

358. Marblehead Lime Co., Division of General Dynamics
Pleasant Gap Operation Box 89
Bellefonte, PA 16823

359. Martin Marietta Aggregates, Northeast Division
White Rock Quarry and Mill 66 Long Clove Road
Congers, NY 10920

CHESTER CO.

360. Martin Marietta Corp.
Martin Marietta Aggregates, N.E. Div.
Catanach Quarry 66 Long Clove Rd.
Congers, NY 10920
P.O. Box 507
Malvern, PA 19355

NORTHAMPTON CO.

361. Bethlehem Mines Corp. 701 E. 3rd Street
Freemansburg Quarry Bethlehem, PA 18016

MAGNETITE (see under Metals)

MANGANESE AND MANGANIFEROUS ORES

CARBON CO.

362. The New Jersey Zinc Co., Third Street
Subsidiary of Gulf & West- Palmerton, PA 18071
ern Industries, Inc.
Palmerton Plant

MERCURY

BEAVER CO.

363. St. Joe Minerals Corp.
Monaca, Pennsylvania
Smelter

250 Park Avenue
New York, NY 10017

METALS

Iron Ore (magnetite)

BERKS CO.

364. Bethlehem Mines Corp.
UG *Grace Mine*

Martin Towers
 701 East 3rd Street
 Bethlehem, PA 18016

Zinc Ore (sphalerite)

LEHIGH CO.

365. The New Jersey Zinc Co.
 Subsidiary of Gulf & Western Industries, Inc.
Friedensburg Mine

R.D. #1
 Center Valley, PA 18034,
 also:
 65 East Elizabeth Ave.
 Bethlehem, PA 18017

METAMORPHIC ROCKS (see gneiss, hornfels, mica schist, quartzite, sericite schist, serpentinite, and slate)

MICA SCHIST AND RELATED ROCKS

Crushed and Broken Stone

DELAWARE CO.

366. Pyramid Land Development
 Co.
OP (*R*)

158 Ridge Road
 Chester, PA 19015

MONTGOMERY CO.

367. Marcolina Bros., Inc.
(R)
Hillcrest Quarry

133 E. Mermaid Lane
 Chestnut Hill, PA 19118

Dimension Stone

DELAWARE CO.

368. Media Quarry Co.
OQ (*R*)

131 E. 2nd Street
 Media, PA 19063

MONTGOMERY CO.

369. Marcolina Bros., Inc.
(Dc, Rc)
Hillcrest Quarry

133 E. Mermaid Lane
 Chestnut Hill, PA 19118

MULLITE (SYNTHETIC)
PHILADELPHIA CO.

370. A. P. Green Refractories Co.
Mullite Plant Hadley St. & Delaware River
 Philadelphia, PA 19137

PEAT

COLUMBIA CO.

371. Benton Peat Products
Office c/o Robert Vincent Co.
 Benton, PA 17814

ERIE CO.

372. Corry Peat Products Co.
Corry Bog 515 Turnpike Road
 Corry, PA 16407

LACKAWANNA CO.

373. Gouldsboro-Wayne Peat
 Humus & Hardwood
 Mulch Co.
Wildcat Swamp Box 68
 Gouldsboro, PA 18424

374. Lake Benton Peat Moss Co.,
 Inc.
Peat Bog 622 S. Blakely Street
 Dunmore, PA 18512

375. Tamarack Topsoil Co.
Carpenter Swamp R.D. #1
 Olyphant, PA 18447

LAWRENCE CO.

376. D. M. Boyd Co.
Boyd Bog 226 Francis Street
 New Wilmington, PA 16142

LUZERNE CO.

377. Blue Ridge Industries, Inc.
Hawks Bog Box 128, R.D. #2
 White Haven, PA 18661

378. Fehlingers Peat Moss
Bog R.D. #3
 Dallas, PA 18612

379. International Peat, Inc.
White Haven Bog R.D. #1
 White Haven, PA 18661
380. Pennsylvania Peat Moss, Inc.
White Haven Bog 21st and Laurel Streets
 Hazleton, PA 18201
381. Stillers Blue Ridge Peat Co.
Bog R.D. #1
 White Haven, PA 18661

MONROE CO.

382. Pennsylvania Peat Moss, Inc.
Thornhurst Bog 21st & Laurel Streets
 Hazleton, PA 18201

PIKE CO.

383. Valliant Enterprises
Mud Pond Bog 104 W. High Street
 Milford, PA 18337

PERLITE (EXPANDED)

ALLEGHENY CO.

384. Perlite Manufacturing Co. P.O. Box 478
 Carnegie, PA 15106

LANCASTER CO.

385. Armstrong Cork Co.
Marietta Ceiling Plant Liberty & Charlotte Streets
 Lancaster, PA 17603

LEHIGH CO.

386. Pennsylvania Perlite Corp. P.O. Box 2002
 Lehigh Valley, PA 18001

MONTGOMERY CO.

387. C-E Refractories Port Kennedy, PA 19463

PHILADELPHIA CO.

388. U.S. Gypsum Co.
Philadelphia 101 So. Wacker Drive
 Chicago, Illinois 60606

YORK CO.

389. Pennsylvania Perlite Corp.
York, Pennsylvania P.O. Box 2002
 Lehigh Valley, PA 18001

QUARTZITE

Crushed and Broken Stone

BERKS CO.

390. Charles G. Gabel, Inc.
OQ 217 No. Franklin Street
 Boyertown, PA 19512
391. John A. & Ralph D. Gring
(Ca, Dr) 659 Grings Hill Rd.
Grings Quarry Sinking Spring, PA 19608
392. Martin Stone Quarries, Inc.
(Dr) Box 157
Bechtelsville Quarry Bechtelsville, PA 19505

BLAIR CO.

393. J. L. Hartman
(G) 224 Allegheny Street
Sarah Furnace Quarry Hollidaysburg, PA 16648

CUMBERLAND CO.

394. R. A. Bender & Son
(Dr) Box 73
Mt. Holly Springs Quarry Mt. Holly Springs, PA 17065
395. Edlu Corp.
OQ S. Hanover Street
 Carlisle, PA 17013
396. C. & L. Goodhart Sand &
 Gravel, Div. of Rimac, Inc. 612 Devonshire Drive
OQ Carlisle, PA 17013

HUNTINGDON CO.

397. Harbison-Walker Refractories
Co., Div. of Dresser In-
dustries, Inc. (G)
Mt. Union Quarry
398. North American Refractories
Co., Div. of Eltra Corp.
(G)
Three Springs Quarry
- Mining Department
Mineral Springs, PA 16855
- 1012 National City Bank
Bldg.
East 6th Street
Cleveland, Ohio 44114

YORK CO.

399. Kline's Quarry, Inc.
Wrightsville Quarry
400. York Stone & Supply Co.
Silica Rock Quarry
- P.O. Box 130
Wrightsville, PA 17368
- Roosevelt Ave., Box 1948
York, PA 17405

Dimension Stone

CHESTER CO.

401. Avon Grove Quarry
OQ
402. Clan Building Stone Corp.
(Bs)
Honey Brook Quarry
403. Albert N. Rotunno
OQ (Cb, Rf, R, Rc)
404. Valley Forge Stone Co.
OQ (Ar, Dc, Ds, Fg, Ra)
405. C. Mark Wise
*Golden Green Parksburg
Quarry*
- Church Street
Avondale, PA 19311
- R.D. #1
Zion Grove, PA 17985
- 48 Oakland Ave.
West Grove, PA 19390
- R.D. #3
Ephrata, PA 17522
- Bowmansville, PA 17507

DAUPHIN CO.

406. Blue Mountain Building Co. R. D. #4
Quarry Linglestown, PA 17112

RARE EARTHS AND THORIUM ALLEGHENY COUNTY

407. American Metallurgical Products Co., Inc.
Plant, New Castle, PA 9800 McKnight Road
Pittsburgh, PA 15237

CHESTER CO.

408. Foote Mineral Co. Route 100
Graham Plant Exton, PA 19341

BUCKS CO.

409. Polysciences, Inc. Paul Valley Industrial Park
Warrington, PA 18974

LAWRENCE CO.

410. Reactive Metals & Alloys P.O. Box 366, Route 168
W. Pittsburgh, PA 16160

ROTTENSTONE

LYCOMING CO.

411. Keystone Filler & Mfg. Co. Muncy, PA 17756
(*Ab, F*)
Plant, Shedd Mine
(*Northumberland Co.*)

SAND AND GRAVEL

ADAMS CO.

412. Wilson C. Clapsaddle R.D. #1
OP (Sfl) Gettysburg, PA 17325

413. William H. Scott, Sr.
OP (Sfl)

140 York Street
 Gettysburg, PA 17325

ALLEGHENY CO.

414. Burrell Construction &
 Supply Co. (*Sc*)
Natrona Heights Pits

1 Fifth Street
 New Kensington, PA 15068

415. McCrady, Inc.
(Sfo, Unf)
Harmarville Operation

Box 11566
 Pittsburgh, PA 15238

ARMSTRONG CO.

416. Allegheny Sand, Inc.
(Sf, Sfu)
Godfrey Plant

1012 Benedum Trees Bldg.
 Pittsburgh, PA 15222

417. Davison Sand & Gravel Co.
(Bp, Cna)
Murphy's Flats Operation

3rd Avenue & 4th Street
 New Kensington, PA 15068

418. Emlenton Limestone Co., Inc.
(Cna)
Parker Pit & Plant

Box 67
 Emlenton, PA 16374

419. Glacial Sand & Gravel Co.
(Bp, Cna, Rm)
Tarrytown Pit
Shawmut Pit

P.O. Box 10
 Kittanning, PA 16201

420. Manorville Sand Co.
(Ca, Gr, Sc)
Templeton Pit
Manorville Pit & Plant

234 W. Pittsburgh Street
 Greensburg, PA 15601

BEAVER CO.

421. Darlington Ready Mix Co.
(Cna, Rm)
No. 1 Mine

R.D. #2
 Darlington, PA 16115

422. Dravo Corporation
 Keystone Division (*Cna, Sc*)
Dredge #9

1 Oliver Plaza
 Pittsburgh, PA 15222

423. Shippingport Sand & Gravel Co. (*Bp, Cna, Unf*)
Georgetown Operation 355 Fifth Avenue
Pittsburgh, PA 15222
424. X & L Sand & Gravel Co.
(*Unf*)
No. 2 Mine Box 226
Industry, PA 18439

BERKS CO.

425. Berks Silica Sand Corp.
(*Bp, Cna, Rm, Sf, Sfu*)
Alsace Twp. Quarry Box 92
Main & Nobel Streets
Kutztown, PA 19530
426. No. 1 Contracting Corp. of
Delaware (*Bp, Cna*)
Fleetwood Sand Plant Box 450, 800 Exeter Ave.
W. Pittston, PA 18643

BLAIR CO.

427. Frankstown Sand Supply
OP (*Sc*) 413 Cedar Blvd.
Hollidaysburg, PA 16648

BRADFORD CO.

428. Nathan Benjamin
OP R.D. #4, Box 128
Towanda, PA 18848
429. Ralph M. Cook
OP R.D. #2
Wysox, PA 18854
430. Russell Dane
OP Box 55
Burlington, PA 18814
431. Huffman Brothers
Welles Pit Riverside Drive, Box 216
Wyalusing, PA 18853
432. James A. Lamphere
OP R.D. #1
Monroeton, PA 18832
433. Lyon & Morgan
OP R.D. #1
Troy, PA 16947
434. Stanton Asphalt Paving
OP R.D. #3
Troy, PA 16947

435. State Aggregates, Inc.
(Bp, Cna, Rm)
Athens Pit
Bodnar Pit
Towanda #1
Towanda #2
436. Wysox Sand & Gravel Inc.
(Cna, Rm)
Wysox Operation

BUCKS CO.

437. Durnam & Good
OP *(Ca, Gr, Sc)*
438. A. L. Lewis, Inc.
(Cna)
Plant #4
439. Silvi Concrete Products
OP *(Cna)*
440. Tulleytown Sand & Gravel
 Co., Subs. of Eureka Stone
 Quarry, Inc. *(Cna)*
Tulleytown Plant
441. Warner Co.
(Cna)
Van Sciver West Pits
Van Sciver East Pits

Upper Black Eddy, PA 18972

Box 177
New Hope, PA 189381903 Old Bristol Pike
Morrisville, PA 190679119 Frankford Avenue
Philadelphia, PA 191141721 Arch Street
Philadelphia, PA 19103
also:
Box 180
Morrisville, PA 19067

BUTLER CO.

442. Cooper Bros., Inc.
(Cna)
Redmond Pit
Portersville Plant
443. H. W. Cooper
(Cna)
West Liberty Pit

R. D. #2
Slippery Rock, PA 16057R. D. #2
Slippery Rock, PA 16057

444. Emlenton Limestone Co.,
Inc. (*Cna, Unf*)
Dickey Operation Box 1128, 726 W. Front Street,
Oil City, PA 16301,
also: Box 67
Emlenton, PA 16373
445. Highway Sand & Gravel Co.
c/o Cooper Bros., Inc.
OP (*Ba, Ca, Cna, Gr*) R. D. #2
Slippery Rock, PA 16057
446. Sechan Limestone Industries,
Inc. (*S*)
Silica Sand Refuse R. D. #1
Portersville, PA 16051

CAMERON CO.

447. Clearfield Crushed Cinder
Co., Inc. (*Ua*)
Driftwood Pit 133 West 5th Ave.
Clearfield, PA 16830
448. Sinnemahoning Sand &
Gravel Co., c/o A. E. Oblock
OP (*Ua*) 7890 Saltsburg Road
Pittsburgh, PA 15239

CARBON CO.

449. Alliance Sand Co.,
Div. Martin Marietta Corp.
(*Sc*)
Palmerton Quarry R. D. #1
Palmerton, PA 18071
450. John Popple Trucking Co.
Fawn Run Pits R. D. #1
Wilkes-Barre, PA 18702
451. Refractory Sand Co.
(*Bp, Rm, Sc*)
Pits & Plants #1 & #2 West Main Street
Ringtown, PA 17967

CLARION CO.

452. Glacial Sand & Gravel Co.
(*Cna, Unf*)
Glacial No. 1 Pit
Glacial No. 2 Pit P. O. Box 10
Kittanning, PA 16201,
also: R.D. #1
Adrian, PA 16210

COLUMBIA CO.

453. Bloomsburg Sand & Gravel
OP (*Cna*) R. D. #2
 Bloomsburg, PA 17815

CRAWFORD CO.

454. Atlas Sand & Gravel, Inc.
Hartstown Pit and Plant Box #5
 Hartstown, PA 16131
455. Conneaut Lake Sand & Gravel
 Inc. R. D. #1
OP (*Bp, Cna, Unf*) Conneaut Lake, PA 16316
456. Danforth & Wood R. D. #3
Brown Pit Conneaut Lake, PA 16316
457. W. L. Dunn Construction Adams Street
 Co. (*Bp, Cna, Rm*) Cochranon, PA 16314
Kantz Farm Pit
458. Emlenton Limestone Co., Box 67
 Inc. Emlenton, PA 16373
Conneaut Lake #1
Conneaut Lake #2
459. Virgil J. Foust R. D. #1
OP Conneaut Lake, PA 16317
460. Leroy R. Glover Route #3
OP Union City, PA 16438
461. Marvin L. Hall R. D. #6
OP Meadville, PA 16335
462. Hasbrouck Sand & Gravel, R. D. #4
 Inc. (*Bp, Cna, Rm*) Titusville, PA 16354
Hasbrouck Pit #1
463. Robert C. Herrington 157 Eastview Ave.
OP Meadville, PA 16335
464. Harry Hudson R. D. #3
OP Cochranton, PA 16314

465. Meadville Redi-Mix
 Concrete, Inc. (*Gr, Sc*)
Kebert Property
East Fairfield Twp. Pit
Wyant Farm Washing Plant Box 418, R. D. #6
 Meadville, PA 16335
466. Ella Rung R. D. #5
OP Meadville, PA 16335
467. Walter Shevitz R. D. #2
OP Conneaut Lake, PA 16316
468. Arthur E. Stewart R. D. #2
OP Meadville, PA 16335
469. Gary Theuret Excavating R. D. #3
OP Meadville, PA 16335
470. Gerald Thomas Sand & Gravel R. D. #2
OP Centerville, PA 16404
471. William H. Welsh R. D. #4
OP Titusville, PA 16354

CUMBERLAND CO.

472. Hempt Bros., Inc. Rt. #1, 205 Creek Road
(Bp, Cna)
Coyle Pit
Martin Pit
Mt. Holly Pit Camp Hill, PA 17011

DAUPHIN CO.

473. Pennsy Supply, Inc. 1001 Paxton St., Box 3331
(Cna, Dr, Unf)
Amity Hall Plant Harrisburg, PA 17101

ELK CO.

474. H & N Affiliates, Inc. 615 Walnut Street
(Rm)
Micale Bros. Quarry Lock Haven, PA 17745

ERIE CO.

- | | | |
|------|--|---|
| 475. | Joseph R. Arendash
<i>Girard Pit</i>
<i>Nickel Plate Pit</i> | R. D. #3
Conneautville, PA 16406 |
| 476. | Clark Construction Supply
Co., Inc.
OP (<i>Cna, Rm</i>) | 1510 West 12th Street
Erie, PA 16501 |
| 477. | Albert R. Conn
OP | 150 S. Pearl Street
North East, PA 16428 |
| 478. | Ronald L. Crosscut
<i>Crosscut Pit</i> | Route 4
Cory, PA 16407 |
| 479. | Harold E. Dowler
OP | R. D. #4
Union City, PA 16438 |
| 480. | Edinboro Gravel Co.
OP | R. D. #2
Cambridge Springs, PA 16403 |
| 481. | Erie Aggregates, Div. of
Dunbar Slag Co., Inc.
OP | Box 666
Sharon, PA 16146 |
| 482. | Erie Sand & Gravel Co.
(<i>Sc</i>)
<i>Lake Erie Dredging</i> | Foot of Sassafras Street
Box 153
Erie, PA 16512 |
| 483. | Erie Sand Steamship Co.
(<i>Sc</i>)
<i>Lake Erie Dredging</i> | Foot of Sassafras Street
Box 153
Erie, PA 16512 |
| 484. | Ganzer Sand & Gravel
<i>Ganzer Pit</i> | 2412 Saltsman Rd.
Erie, PA 16510 |
| 485. | Elwood or Elaine Grubbs
OP #1 and #2 | R. D. #1
Girard, PA 16417 |
| 486. | Happy Homes Enterprises,
Inc.
OP | Buffalo and Nagle Road
Erie, PA 16410 |

487. John W. Hollis
OP 7383 Buffalo Road
Harborcreek, PA 16421
488. Harry C. Houser
OP (*Rm*) 1116 Kenmar Drive
North East, PA 16428
489. Hoover Sand & Gravel
(*Bp*, *Cna*, *Dr*, *Unf*)
Hoover Pit #1
Hoover Pit #2
Hoover Pit #3 R. D. #1
Harborcreek, PA 16421
490. Maybro Asphalt Co.
OP #1 and #2 1225 West 18th Street
Box 1356
Erie, PA 16512
491. Mayer Brothers Construction
Co. (*Unf*) 1225 West 18th Street
McKean Pit Erie, PA 16512
492. McCormick Materials
OP (*Dr*, *Gr*) Box 626
Erie, PA 16512
493. Nicholson Services
OP (*Bp*, *Cna*) 2021 East 12th St.
Erie, PA 16511
494. Northwest Gravel Co.
OP (*Cna*, *Unf*) R. D. #1, Route 20
Girard, PA 16417
495. C. B. Stockton
OP R. D. #1
Columbus, PA 16405
496. Joseph M. Tomcho &
Sons, Inc.
Tomcho Pit Box 344
Union City, PA 16438
497. Union City Sand & Gravel
Inc.
OP #1, #2 (*Bp*, *Cna*, *Unf*) Box 168
Union City, PA 16438
498. West Ridge Gravel Co.
OP (*Bp*, *Cna*) R. D. #2
Girard, PA 16417

499. Wurst Construction
Bagdad Pit
Valley Pit

8260 Johnson Rd.
Erie, PA 16509

500. Herman J. Zielinski
OP

R. D. #2
Waterford, PA 16441

FOREST CO.

501. Jack Kuntz Sand & Gravel
(Unf)
Kuntz Pit

E. Hickory, PA 16321

502. Tionesta Sand & Gravel, Inc.
(Cna)
Tionesta Pit #2
Tionesta Pit #5

Box 307
Tionesta, PA 16353

FRANKLIN CO.

503. Mt. Cydonia Sand Co., Inc.
(Bp, Cna, Sc)
Pit #1, Pit #2

R. D. #1
Fayetteville, PA 17222

FULTON CO.

504. H. B. Mellot Estate, Inc.
(Sc)
Francis Smith Pit

302 So. Second Street
McConnellsburg, PA 17233

HUNTINGDON CO.

505. Pennsylvania Glass Sand
Corp. (*Sa, Sb, Sch, Se,*
Sen, Sf, Sfl, Sfo, Sg, Si,
Sm, Sp)
Keystone Plant
Keystone Quarry

Box 187
Berkeley Springs, W. Va. 25411

LACKAWANNA CO.

506. American Asphalt Paving
Co.
Covington Pit

Box 95, R. D. #5
Shavertown, PA 18700

507. Donald Andrews
OP (S)

115 N. Main St.
Moscow, PA 18444

508. Empire Excavating Co.
OP
Route 6, Scranton-
Carbondale Hwy.
Bell Mountain, PA 18508
509. Joseph M. Grab
Grab Pit #1
Grab Pit #2
Box 97, Star Route
Gouldsboro, PA 18424
510. Keystone Pavement Construc-
Co.
Mead Pit
Box 127
Lake Ariel, PA 18436
511. John Matisko
Matisko Pit
R. D. #1, Box 170M
Moscow, PA 18444
512. Alfio Paolucci
OP
R. D. #1
Nicholson, PA 18446

LANCASTER CO.

513. Gerhart Road Materials,
Inc. (*Bp, Cna, Unf*)
Gerhart Sand Pit
R. D. #3
Ephrata, PA 17522
514. Milton Grove Sand, Inc.
(*Bp, Sc, Unf*)
Milton Grove Pit
Box 7
East Petersburg, PA 17520

LAWRENCE CO.

515. Ambrosia Coal & Con-
struction Co.
OP
R. D. #1
Edinburg, PA 16116
516. B & L Paving Co., Inc.
Rhodes Pit
1100 N. Liberty St.
New Castle, PA 16102
517. George R. Biddle
OP
R. D. #5
New Castle, PA 16105
518. Cooper Brothers, Inc.
Rock Springs Pit
R. D. #2
Slippery Rock, PA 16057
519. H. W. Cooper & Sons, Inc.
Taylor Run Operation
R. D. #2
Slippery Rock, PA 16057

520. Joseph DePola
OP 1 E. Sheridan Ave.
New Castle, PA 16102
521. Ellwood Stone Co.
(*Sb, Se, Sfl, Sfo, Ss*)
Rockford Quarry Ellwood City, PA 16117
522. Charles O. Fobes, Jr.
OP R. D. #3
New Castle, PA 16101
523. James F. Hamilton
Hamilton Pit R. D. #1
New Wilmington, PA 16142
524. Mahoning Valley Sand Co.
(*Bp, Cna, Unf*)
Crawford-Warner Quarry
Newport Pit Box 1236
New Castle, PA 16102
525. William H. Mayberry
Triangle Pit R. D. #4, Box 342
New Castle, PA 16101
526. Jack M. Randall
OP Box 325, R. D. #3
New Castle, PA 16105
527. Russell Seh
OP 1700 Pulaski Rd.
New Castle, PA 16105
528. Superior Sand & Supply
Co. (*Bp, Cna, Unf*)
Eastbrook Pit R. D. #5
New Castle, PA 16105
529. Vanport Sand & Gravel,
Inc.
OP (*Bp, Cna, Unf*) Box 144
Edinburg, PA 16116

LUZERNE CO.

530. Airport Sand & Gravel
Co., Inc. (*Bp, Cna, Dr*)
Exeter Pit
West Wyoming Pit 500 Sweetland Lane
Wyoming, PA 18640
531. A. Barletta & Sons
(*Bp, Cna, Dr*)
Honey Hole Box 40
175 N. Cedar St.
Hazleton, PA 18201

532. Colarusso
OP 96 William St.
Pittston, PA 18640
533. Barry Edwards
OP Box 620, R. D. #4
Dallas, PA 18612
534. Joseph M. Grab
OP Box 97, Star Route
Gouldsboro, PA 18424
535. J. A. & W. A. Hess, Inc.
OP (*Bp, Cna, Unf*) Box 645
Hazleton, PA 18201
536. Hunlock Sand & Gravel Co.
OP (*Bp, Cna, Unf*) R. D. #1, Box 275A
Hunlock Creek, PA 18621
537. Gerald & Lewis Naugle
OP R. D. #1, Box 325-C
Hunlock Creek, PA 18621
538. N & B Enterprise, Inc.
OP 913 Wyoming Ave.
W. Pittston, PA 18643
539. Marvin Patterson
OP R. D. #1
Hunlock Creek, PA 18621
540. Donald E. Rinehimer
OP R. D. #1
Berwick, PA 18603
541. Frank Sgarlat Sand &
Gravel Co. (*Bp, Cna, Unf*) 507 River Street
Kingston Operation
Meeker Pit
West Wyoming Pit Forty Fort, PA 18704
542. Donald C. Sorber
OP R. D. #1, Box 57
Hunlock Creek, PA 18621

LYCOMING CO.

543. Lycoming Silica Sand Co.,
Subs. of Koppers Co., Inc.
(*Cna, Sfo*) 420 Broad Street
Loyalsock Pit
Montour Pit & Plant
Whitmoyer Pit Montoursville, PA 17754

McKEAN CO.

544. Emlenton Limestone Co., Inc. 726 W. Front Street
OP Box 1128
 Oil City, PA 16301

MERCER CO.

545. Atlas Sand & Gravel,
 Inc. Box 73
OP (*Bp, Cna, Dr, Unf*) Hadley, PA 16130
546. Big "B" Mining Co., Inc. R. D. #1
OP West Sunbury, PA 16061
547. Hazen Sand & Gravel R. D. #1
OP *Lackey Pit* Clarks Mills, PA 16114
548. Roger L. Hoffman R. D. #5
OP Mercer, PA 16137
549. Rancher Development Corp. Box 34
OP Slippery Rock, PA 16057
550. Risch Sand & Gravel R. D. #3
Risch Pit Grove City, PA 16127
551. Seidle Sand & Gravel
 Inc. (*Bp, Cna, Dr, Unf*) R. D. #7
Miller Pit Mercer, PA 16137
Seidle Pit
552. Taylor Sand & Gravel
 Co. (*Cna, Unf*) Box 661
Big Bend Pit and Plant Hall Furnace Road
 Sharon, PA 16146

MIFFLIN CO.

553. Taylor-Middlecreek, Inc. Box 44
 (*Sc*) Winfield, PA 17889
Strodes Mills Pits & Plant

MONROE CO.

554. Eastern Industries, Inc. Box 3188
 (*Bp, Cna, S*) Wescosville, PA 18106
Kunkletown Quarry

555. Eureka Stone Quarry, Inc.
 (S)
Saylorburg Sand Pit
556. Javelyn Mobil Mix, Inc.
OP (*Cna*)
Stroudsburg Pit & Plant
557. Darwin Keiper Excavating
Keiper Pit
558. Lehigh Valley Sand &
 Gravel Co., Inc.
 (*Cna, Unf*)
Brodheadsville Pit
559. Pocono Industries, Inc.
Lesoine Pit
560. Pocono Transcrete, Inc.
Blakeslee Pit
- Pickertown & Lower State Rd.
 Chalfont, PA 18914,
 also: R.D. #2, Box 406
 Stroudsburg, PA 18360
- Box 244, No. 9th St.
 Stroudsburg, PA 18360
- Pocono Lake, PA 18347
- R. D. #1
 Saylorburg, PA 18353
- 1870 W. Main Street
 Stroudsburg, PA 18360
- Hollow Road
 Blakeslee, PA 18610

NORTHAMPTON CO.

561. Alpha Portland Industries,
 Inc., Alpha Portland
 Cement Co.
Martins Creek Pit
562. Houdaille Construction
 Materials, Inc. (*Cna, Dr*)
Portland Plant & Pit
563. Penn-Jersey Paving
 Materials, Inc.
OP
564. Steckel Concrete Co.
 (*Unf*)
Martins Creek Operation
- 15 S. 3rd St.
 Easton, PA 18042
- 10 Park Place
 Morristown, NJ 07960
- Box 207
 Mt. Bethel, PA 18343
- P. O. Box 47
 Phillipsburg, NJ 08865

NORTHUMBERLAND CO.

565. Central Builders Supply
 Co. (*Cna*)
Northumberland Plant
- Island Park
 Sunbury, PA 17801

PIKE CO.

566. Holbert & Kuhn, Inc. Lackawaxen, PA 18435
OP
567. McKean & Son Box 172A, R. D. #1
OP Hawley, PA 18428
568. Pike County Sand & Gravel P.O. Box 351
 Co. (*Bp, Cna, Dr*) Honesdale, PA 18341
Blooming Grove Pit
569. Yvon Prevost Box 121
OP Greely, PA 18425
570. R. A. Schmidt Box 201
OP Greely, PA 18425
571. Sunnylands, Inc. 305 Broad St.
OP Milford, PA 18337
572. Weidner Concrete Co. P. O. Box 351
Myers Pit Honesdale, PA 18341

POTTER CO.

573. Brown Excavating Box 229
OP #1 & OP #2 Roulette, PA 16746
574. H & N Affiliates, Inc. 615 W. Walnut St.
Everly Pit Lock Haven, PA 17745
575. Johnson Homes Sales & R. D. #1
 Service Roulette, PA 16746
OP

SCHUYLKILL CO.

576. Middleport Materials, Inc. Box 150
OQ Schuylkill Haven, PA 17972
577. Refractory Sand Co., Inc. W. Main Street
 (*Bp, Sc*) Ringtown, PA 17967
Andreas Quarry

SOMERSET CO.

578. Rodamer Concrete Products Springs, PA 15562
OP (*Bp, Cna*)

SUSQUEHANNA CO.

579. Kirk S. Hinkley, Sr. 7 Susquehanna Ave.
Long Pit Hallstead, PA 18822
580. New Milford Sand & R. D. #2
 Gravel New Milford, PA 18834
Grover Pit
581. Alfio Paolucci R. D. #1
OP Nicholson, PA 18446

TIOGA CO.

582. Earl F. Dean, Inc. Box P
Asonia Pit Galeton, PA 16922
Carpenters Pit
583. Dixon Sand & Gravel R. D. #2
OP Millerton, PA 16936
584. Fred M. Gee Sand & Gravel Middlebury Center, PA 16935
(Bp, Cna, Rm, Sfo)
Niles Valley Pit
585. Kenneth Heysham Box 114
OP Nelson, PA 16940
586. Martin Construction Co. Box 115
Barnes Pit Millerton, PA 16936
Bradshaw Estate
Daggett Pit #1

VENANGO CO.

587. Emlenton Limestone Co., 726 W. Front St.
 Inc. Box 1128
Burkhardt Operation Oil City, PA 16301
588. Franklin Gravel Co. c/o Robert Laing
Lepley Pit 411 Grant St.
 Franklin, PA 16323

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| 589. | Glenn R. Hall
OP | Rt. 5
Titusville, PA 16354 |
| 590. | Mahoning Valley Sand Co.
OP | Box 1236
New Castle, PA 16102 |
| 591. | Pennsylvania Glass
Sand Corp.
(S, Sf, Sfl, Sfo)
<i>Utica Quarries</i> | Berkley Springs, W. Va.
25411 |
| 592. | Lewis Phillips Sand &
Gravel
<i>Patchel Run Operation</i> | 910 Rocky Grove Ave.
Franklin, PA 16323 |
| 593. | Oil City Sand & Gravel Co.
(Bp, Cna)
<i>Two-Mile Dredge</i> | Box 1128
Oil City, PA 16301 |
| 594. | Tionesta Sand & Gravel Inc.
(Cna, Dr)
<i>Tionesta No. 3 Pit</i> | Box 307
Tionesta, PA 16353 |
| 595. | Vincent Excavating & Gravel
(Cna, Dr, Unf)
<i>Franklin Operation</i> | R.D. #3, Box 14
Franklin, PA 16323 |
| 596. | White City Sand & Gravel
Co. (Cna, Dr, Unf)
<i>White City Pit</i> | R.D. #2, White City Rd.
Titusville, PA 16354 |

WARREN CO.

597. Brokenstraw Gravel, Inc. Box 77
(*Cna, Dr*) Pittsfield, PA 16340
Pit & Plant #1

598. Ben Courson 333 Main Street
OP Tidioute, PA 16351

599. Emlenton Limestone Co., Inc. 726 W. Front Street
(*Cna, Unf*) Box 1128
Pittsfield Operation Oil City, PA 16301

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| 600. | General Concrete Products Corp.
<i>(Bp, Cna, Dr)</i>
<i>Youngsville Operation</i> | Penn Ave., W. Extension Warren, PA 16365 |
| 601. | Nelson & Ellberg
OP (<i>Cna, Unf</i>) | P.O. Box 296
Locust Street Ext.
Warren, PA 16365 |
| 602. | The Shermac Co.
<i>(Bp, Cna, Dr, Unf)</i>
<i>Shermac Mine No. 1</i> | Box 277
Tionesta, PA 16353 |
| 603. | Tionesta Sand & Gravel, Inc.
<i>(Cna, Dr)</i>
<i>Garland No. 2</i> | Box 307
Tionesta, PA 16353 |
| 604. | Warren County Solid Waste Authority
OP (<i>Gr</i>) | Warren County Courthouse
Warren, PA 16365 |
| 605. | Warren Sand & Gravel Co.
D (<i>Bp, Cna</i>) | 726 W. Front St., Box 1128
Oil City, PA 16301 |
| 606. | Yeagle Excavating
<i>Glade Run Pit</i> | Box 924
Warren, PA 16365 |
| 607. | Michael Zurkan, Jr.
OP | 87 Crestview Blvd.
Warren, PA 16365 |
| YNE CO. | | |
| 608. | J. Aleckna Construction, Inc.
OP | R.D. #1
Lake Ariel, PA 18436 |
| 609. | Bonham's General Contracting
<i>Nosal Pit</i> | Box 283
Honesdale, PA 18431 |
| 610. | Dyberry Sand & Gravel Co., Inc.
<i>Dyberry Pit</i> | R.D. #3
Honesdale, PA 18431 |

611.	Edwards Sand & Stone <i>(Cna, Dr, Unf)</i> <i>Edwards Pit</i>	Box 174 Elmhurst, PA 18416
612.	Otto Eime OP	919 Hudson Street Hawley, PA 18428
613.	Maurice Haag OP	South Sterling, PA 18460
614.	Ernest Hemmler OP	R.D. #1 Moscow, PA 18444
615.	Indian Orchard Gravel OP	R.D. #4 Honesdale, PA 18431
616.	Keystone Pavement Construction Co. (<i>Bp, Cna, Dr</i>) <i>Catterson Pit</i> <i>Palko Pit</i> <i>Weidner Pit</i>	Box 127 Lake Ariel, PA 18436
617.	Joseph E. Nosek OP	R.D. #2 Lake Ariel, PA 18436
618.	Philip Pruss OP	R.D. #1 Lake Ariel, PA 18436
619.	Merel Swingle OP	R.D. #1, Box 118 Lake Ariel, PA 18436
620.	Swingle & Watson Excavating OP	R.D. #4 Honesdale, PA 18431
621.	Weidner Concrete Co. <i>(Unf)</i> <i>Smith Pit</i>	Box 351 Honesdale, PA 18431
622.	Donald & Harold Wood OP (Gr)	R.D. #2 Callicoon, NY 12723

WESTMORELAND CO.

623. Davison Sand & Gravel Co. 3rd Ave. & 4th Street
D(Bp, Cna) New Kensington, PA 15068

WYOMING CO.

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| 624. | American Asphalt Paving Co.
<i>East Fall Pit</i> | Box 95, R.D. #5
Shavertown, PA 18708 |
| 625. | Eugene Decker
OP | R.D. #1
Dalton, PA 18414 |
| 626. | East Lemon Sand & Gravel
Co., Inc.
<i>East Lemon Pit</i> | R.D. #1
Factoryville, PA 18419 |
| 627. | Jacoby & Palumbo
OP (S) | R.D. #3
Clarks Summit, PA 18411 |
| 628. | Wyoming Sand & Stone Co.
(<i>Cna, Dr</i>)
<i>Kapolka Pit</i>
<i>Robinson Pit</i>
<i>South Eaton Pit</i> | R.D. #1
Falls, PA 18615 |

YORK CO.

629. Pennsy Supply, Inc. P.O. Box 3331
Bobali Corp. (*Cna, Unf*) Harrisburg, PA 17105
York Haven Pit

SANDSTONE

Crushed and Broken Stone

ALLEGHENY CO.

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|------|--|---|
| 630. | Fleck Coal Co.
<i>(Rr)</i>
<i>Campbells Run Quarry</i> | 4316 Campbells Run Rd.
Pittsburgh, PA 15205 |
| 631. | McShane Industries, Inc.
OQ | Suite 347, Manor Oak Two
1910 Cochran Road
Pittsburgh, PA 15220 |

BEAVER CO.

632. Ellwood Stone Co.
(Se, Sfo, Sfu, Sm)
Koppel Quarry

P.O. Box 791
Ellwood City, PA 16117

BEDFORD CO.

633. Feight Brothers
OP (*Ca, Sc, Unf*)

R.D. #2
Everett, PA 15537

634. New Enterprise Stone &
Lime Co., Inc. (*Fa*)
Weyant Quarry

New Enterprise, PA 16664

BUTLER CO.

635. Annandale Sandstone Co.
Div. of North Star Coal Co.
(R, Rr)
Branchton Quarry

1202 Benedum Trees Bldg.
Pittsburgh, PA 15222

636. Penn-Dixie Industries, Inc.
Cement Division
OQ

P.O. Box 152
Nazareth, PA 18064

CAMBRIA CO.

637. Nicosia Stone Quarry
OQ (*Ca, G*)

306 Cooper Ave.
Johnstown, PA 15906

CARBON CO.

638. Huss Contracting Co.
(Ma)
Weirbach Quarry

Ringtown, PA 17967

639. North American Refractories
Co., Div. of Eltra Corp. (*Rs*)
Little Gap Quarry

Research Center
Curwensville, PA 16833

CLARION CO.

640. Zacherl Coal Co., Inc. Lucinda, PA 16235
(Dr, Fs, Ua)
Zacherl Quarry

CLEARFIELD CO.

641. Irvin T. Miller & Co., Inc. Box 428
OQ Burgettstown, PA 15021

COLUMBIA CO.

642. Fishing Creek Construction R.D. #4
 Co., Inc. Bloomsburg, PA 17815
Fishing Creek Quarry

DAUPHIN CO.

643. Faylor-Middlecreek, Inc. Box 44
(Ba, Ca, Ua) Winfield, PA 17889
Elizabethville Quarry

FOREST CO.

644. Yeaney Farms Box 22
OQ Marienville, PA 16239

FRANKLIN CO.

645. R. L. Bowerman R.D. #5
OP Chambersburg, PA 17201

JEFFERSON CO.

646. David P. Glenn 6½ Caldwell St.
Glenn #1 Mine Brookville, PA 15825

647. R.E.M. Coal Co., Inc. 271 Main Street
Schoffner Mine Brookville, PA 15825

LACKAWANNA CO.

648. Eureka Stone Quarry, Inc.
(Ba, Ua)
Daleville Quarry
649. Joseph Godino
West Mountain Stone Quarry
650. Jackson Crushed Stone, Inc.
Jackson Quarry
651. Laurel Mountain Stone Corp.
Lackawanna Quarry
- Pickerton & Lower State Rds.
Chalfont, R.D., PA 18914
- 444 St. Francis Cabrini Ave.
Scranton, PA 18504
- Griffin Pond Road, R.D.
Clarks Summit, PA 18411
- 75 Laurel Street
Carbondale, PA 18407

LAWRENCE CO.

652. Ellwood Stone Co.
Rockford Quarry
- Ellwood City, PA 16117

LUZERNE CO.

653. Adonizio Bros. Inc.
(Ba, Dr)
Keystone Quarry
654. American Asphalt Paving Co.
(Ba, Ca, Dr)
Chase Quarry
- 205 Lippi Bldg.
Pittston, PA 18640
- Box 95, R.D. #5
Shavertown, PA 18700
655. Coolbaugh Sand & Stone
Co., Inc.
(Ba, Ca, Dr, Rr, RR)
Coolbaugh Quarry
- 378 State Rd.
Avoca, PA 18641
656. The General Crushed Stone
Co. *(Dr)*
White Haven Quarry
- Box 231, Rt. 115
Easton, PA 18042

McKEAN CO.

657. Kane Stone Co.
OQ (*Rr, Ua*) Maple Street Extension
 Box 555
 Kane, PA 16735

MERCER CO.

658. Greenville Materials, Inc. Box 245, Mercer Road
OQ Greenville, PA 16125

659. White Rock Silica Sand Co., Box 11566
Div. of McCrady, Inc. Pittsburgh, PA 15238
OQ (Ua)

MONROE CO.

660. Eastern Industries, Inc. Box 3188
Kunkletown Quarry Wescosville, PA 18106

661. Locust Ridge Stone Co., Inc. Pocono Lake, PA 18347
QQ

NORTHUMBERLAND CO.

662. Faylor-Middlecreek, Inc. Box 44
(Ba, Ua) Winfield, PA 17889
Shamokin Quarry

PERRY CO.

663. Four Forty-One Corporation 1001 Paxtang Street
 DBA Perry Rock Box 3331
 Newport Quarry Harrisburg, PA 17105

PIKE CO.

664. Eureka Stone Quarry, Inc. 9119 Frankford Ave.
(*Ua*) Philadelphia, PA 19114
Milford Operation

POTTER CO

665. C & L Stone Co.
 (R)
Potter Quarry

R.D. #2
 Coudersport, PA 16915

SOMERSET CO.

666. New Enterprise Stone &
 Lime Co., Inc. (Fa)
Central City Quarry

New Enterprise, PA 16664

SUSQUEHANNA CO.

667. 4-D Quarries
OQ

Box 901
 Binghamton, NY 13902

668. Keelor Supply Co.
 (Ba, Ca, Dr, Ma)
Bennett Quarry

Box 12
 Clifford, PA 18413

669. State Aggregates, Inc.
 (Ba, Rr, Ua)
Plant #3 (Montrose)
Royal Plant

635 Lucknow Ave.
 Harrisburg, PA 17110

670. Lee A. Wilbur & Son
OQ (R, Rr)

R.D. #1
 Kingsley, PA 18826

TIOGA CO.

671. 4-D Quarries
OQ (Rr)

Box 901
 Binghamton, NY 13902

672. H & N Affiliates, Inc.
Roy B Quarry

615 W. Walnut Street
 Lock Haven, PA 17745

WAYNE CO.

673. Walter C. Blum
 (R)
Blum Quarry

Milanville, PA 18443

674. Eureka Stone Quarry, Inc.
Sterling Quarry

Pickertown & Lower State
 Roads
 Chalfont, R.D., PA 18914

675. P. Tompkins Estate 124 E. Front Street
OQ (R) Hancock, NY 13783

676. Wayne Crushed Stone, Inc. 3100 No. Main Ave.
(Ba, Ca, Dr) Scranton, PA 18508
Lake Ariel Quarry

WESTMORELAND CO.

677. M. Carl Hoover R.D. #4, Box 165
(Dr, Fa, Fs, Ua) Greensburg, PA 15601
Hoover Quarry

678. Sardis Stone Co., Inc. 343 Old Leechburg Road
OQ (FD) Pittsburgh, PA 15239,
 also: 4529 Saltsburg Rd.
 Marysville, PA 15668

Dimension Stone BUCKS CO.

679. Delaware Valley Landscape River Road
 Stone, Inc. (*Rc*) Lumberville, PA 18933
Lumberville Quarry

BUTLER CO.

680. Annandale Sandstone Co., 1202 Benedum Trees Bldg.
 Div. of North Star Coal Pittsburgh, PA 15222
 Co. (*Dc, Hs*)
Branchton Quarry

FRANKLIN CO.

681. J. Raymond Zeek R.D. #1
(Iss) Orrstown, PA 17244
Orrstown Quarry

POTTER CO.

682. C & L Stone Co.
(Hs, Iss)
Potter Quarry

R.D. 2
 Coudersport, PA 16915

SUSQUEHANNA CO.

683. Ashcraft Excavating Co.,
 Inc.
OQ

Apalachin, NY 13732

684. Carlton Birchard
OQ (*Ra, Rc*)

R.D. #5
 Montrose, PA 18801

685. H. Harvey & Sons
(Cs, Hs)
Springville Quarry

R.D. #1
 Springville, PA 18844

686. Tilton Mitchell Stone Co., Inc.
(Hs)
Mitchell Quarry

Springville, PA 18844

687. Randall Sechrist
OQ (*Ra, Rc*)

R.D. #5
 Montrose, PA 18801

688. Lee A. Wilbur & Son
OQ (*Rc*)

R.D. #1
 Kingsley, PA 18826

WAYNE CO.

689. Walter C. Blum
(Rc)
Blum Quarry

Milanville, PA 18443

690. P. Tompkins Estate
OQ (*Cb, Cs, Hs*)

124 E. Front Street
 Hancock, NY 13783

WYOMING CO.

691. Ernest Clapper
OQ (*Ra, Rc*)

Laceyville, PA 18623

692. Willard Docktor R.D. #3
OQ (*Ra, Rc*) Meshoppen, PA 18630
693. Edmund Witkowski R.D. #1
OQ (*Ra, Rc*) Tunkhannock, PA 18657

Flagstone

LACKAWANNA CO.

694. Thomas Chilewski, Jr. R.D. #12, Box 109
OQ Factoryville, PA 18419
695. Clarence Smith 704 Morgan Street
OQ Dickson City, PA 18519

McKEAN CO.

696. Frederick L. Gregory Box 713
OP Kane, PA 16735
697. O. L. Robinson Stone Co. R.D. #1
OQ Austin, PA 16720
698. Shamrock Flagstone Co. Box 305
Two Mile Run Quarry Port Allegany, PA 16743

POTTER CO.

699. C & L Stone Co. R.D. #2
Potter Quarry Coudersport, PA 16915
700. O. L. Robinson Stone Co. R.D. #1
OQ Austin, PA 16720
701. Rummings Bluestone Co. Box 5078
Coyle Quarry Jersey Shore, PA 17740

SUSQUEHANNA CO.

702. David L. Antoine R.D. #1, Box 159
OQ Nicholson, PA 18446

703.	Carlton Birchard OQ	R.D. #5 Montrose, PA 18801
704.	Everett Freeman OQ	R.D. #2 New Milford, PA 18834
705.	John Guiton OQ	Rushville, PA 18839
706.	H. Harvey & Sons <i>Springville Quarry</i>	R.D. #1 Springville, PA 18844
707.	Tilton Mitchell Stone Co., Inc. <i>Mitchell Quarry</i>	Springville, PA 18844
708.	Charles Morrison <i>Morrison Quarry</i>	Box 122 Harford, PA 18823
709.	Pavalone & Sons OQ	R.D. #1 Kingsley, PA 18826
710.	Pennsylvania Bluestone Co. OQ	Box 16 So. Gibson, PA 18842
711.	Ernest Pierson OQ	R. D. #4 Montrose, PA 18801
712.	Powers & Powers OQ	R.D. #5 Montrose, PA 18801
713.	Donald Rood OQ	Nicholson, PA 18446
714.	Randall Sechrist OQ	R.D. #5 Montrose, PA 18801
715.	Lee A. Wilbur & Son OQ	R.D. #1 Kingsley, PA 18826
716.	Russel Winne OQ	Box 454 Hallstead, PA 18822

717. Edwin C. Wagner
OQ 800 Railroad Street
 Jersey Shore, PA 17740

WAYNE CO.

718. Walter C. Blum
Blum Quarry Milanville, PA 18443

719. Raymond J. Keryon
OP Box 68
 Equinunk, PA 18417

720. P. Tompkins Estate
OQ 124 E. Front Street
 Hancock, NY 13783

721. George F. Whitlock
 George A. Taylor
OQ Lakewood, PA 18439

WYOMING CO.

722. Ernest Clapper
OQ Laceyville, PA 18623

723. Willard Docktor
OQ R.D. #3
 Meshoppen, PA 18630

724. Edmund Witkowski
OQ R.D. #1
 Tunkhannock, PA 18657

SERICITE SCHIST

Filler

ADAMS CO.

725. Pennsylvania Mineral & Min-
 ing Co., Inc. (*A, Is, J*) Asper, PA 17304

SERPENTINITE

Crushed and Broken Stone

LANCASTER CO.

726. D. M. Stoltzfus & Son, Inc. Box 231
(*Ba, Ca, Dr, Ma, Str*) Talmage, PA 17580
Cedar Hill Quarry

SHALE (used for fill or road-building material)

ADAMS CO.

727. John R. Sanders R.D. #1
OP Gettysburg, PA 17325

BEDFORD CO.

728. D. Ross Eichner Box 51
OP Queen, PA 16670

BLAIR CO.

729. Russell C. Burkett Box 86
OP Newry, PA 16665

730. Charles L. Lingenfelter R.D. #1, Box 116A
OP East Freedom, PA 16637

BRADFORD CO.

731. Donald E. Falsey R.D. #4
OP Towanda, PA 18848

BUCKS CO.

732. Scholl Bros. Box 224
Tohickon Pit Hartfield, PA 19440

CAMBRIA CO.

733. Cresson Mobile Home Park, Hwy. 22 West,
Inc. Cresson, PA 16630
OP

734. Gilbert Frazier
OP 3321 Elton Rd.
 Johns, PA 15904

CARBON CO.

735. J. Edgar Smith
OP Storey Creek Hotel
 Star Route
 Jim Thorpe, PA 18229

COLUMBIA CO.

736. Ryland L. Hock
OP R.D. #1
 Millville, PA 17846

737. Warren Kessler
OP R.D. #2
 Millville, PA 17846

738. Robert C. Young, Inc.
OP 2nd & Fair Streets
 Mifflinville, PA 18631

CUMBERLAND CO.

739. Edlu Corp.
OP 5 S. Hanover Street
 Carlisle, PA 17013

740. Jack G. Frey
OP 310 Second Street
 Summerdale, PA 17093

741. Jack H. Hackenberry
OP R.D. #1
 Newburg, PA 17240

742. Harold L. Hamilton
OP R.D. #1
 Shippensburg, PA 17257

743. Hopewell Twp.
OP R.D. #1
 Newburg, PA 17240

744. E. E. Kough Sons
OP R.D. #2
 Newville, PA 17241

745. Nelson L. Minich
OP 41 W. Locust Ave.
 Carlisle, PA 17013

746. Robert Noll, Inc.
OP 1801 Ridgeview Drive
Carlisle, PA 17013
747. Raymond E. Russell
OP #1 and OP #2 R.D. #2, Box 150
Newville, PA 17241
748. Lynn R. Shaw
OP R.D. #2
Newville, PA 17241
749. Snoise's Excavating & Paving,
Inc.
OP Box 154
Walnut Bottom, PA 17266
750. Lewis D. Swartz
OP R.D. #1
Newburg, PA 17240
751. John F. Walter Excavating,
Inc.
OP #1 (Failor)
OP #2 (Albright) Box 175
Newville, PA 17241
752. Carroll L. Wickart
OP R. D. #1
Newville, PA 17241
753. Young's Excavating Co.
OP R. D. #3
Newville, PA 17241

FRANKLIN CO.

754. R & A Bender, Inc.
OP Pleasant Hall, PA 17246
755. R. L. Bowerman
OP R. D. #5
Chambersburg, PA 17201
756. Charles E. Brake Co., Inc.
Mieks Pit
Rife Pit Box 275
St. Thomas, PA 17252
757. Paul M. Bricker
OP Route 3
Chambersburg, PA 17201
758. James E. Campbell
OP Box 35
Doylestown, PA 17219

759. Jay E. Chamberlin
OP R. D. #3
Shippensburg, PA 17257
760. Ronald L. Clark
OP R. D. #1
St. Thomas, PA 17252
761. Lester G. Crider
Crider Pit R. D. #3
Chambersburg, PA 17201
762. Crouse Bros.
Crouse Pit Rt. #2, Box 123
Waynesboro, PA 17268
763. A. L. Decker
Decker Pit R. D. #1
Greencastle, PA 17225
764. Frank J. Dice
OP Chambersburg, PA 17201
765. Fayetteville Contractors,
Inc. Box 214
OP #1 and OP #2 Fayetteville, PA 17222
766. Guilford Twp. Super-
visors R.R. #5
OP Chambersburg, PA 17201
767. Lee R. Hamner
Hamner Pit 527 Fairview Ave.
Waynesboro, PA 17268
768. E. Paul Hess
OP R. D. #4
Chambersburg, PA 17201
769. Ronald D. Hess
OP #1, #2, #3 Box 94
Fort Loudon, PA 17224
770. A. C. Johnson
OP #1 and #2 R. D. #1
Orrstown, PA 17244
771. Johnston Brothers Con-
struction Co. R. D. #3
OP Shippensburg, PA 17257
772. Jay L. Jones
OP R. D. #1
Chambersburg, PA 17201

773. Chas. W. Kershner Jr.
 & Son
OP
 R. D. #3
 Greencastle, PA 17225
774. Lurgan Township Supervisors
OP
 R. D. #1
 Newburg, PA 17240
775. David H. Martin
Young Pit
 Route #1
 Chambersburg, PA 17201
776. Ebbert S. Martin
OP
 P. O. Box 45
 Roxbury, PA 17251
777. Robert D. McCulloh
OP
 R. D. #4
 Greencastle, PA 17225
778. Montgomery Twp.
OP
 R. D. #2
 Mercersburg, PA 17236
779. Peters Township
OP #1 and OP #2
 Route 2
 Mercersburg, PA 17236
780. Ray C. Rhinehart
OP
 R. D. #1
 Shippensburg, PA 17257
781. Richard E. Rockwell
OP
 R. D. #4
 Chambersburg, PA 17201
782. Snoke's Excavating &
 Paving Inc.
Vaugh Pit
 Box 154
 Walnut Bottom, PA 17266
783. Earl C. Starliper
OP
 R. D. #3
 Mercersburg, PA 17236
784. Sunny Hill Develop-
 ment Corp.
OP
 550 Cleveland Ave.
 Box N
 Chambersburg, PA 17201
785. Walls Bros. Salvage
OP
 R. D. #1
 St. Thomas, PA 17252
786. Lester E. Walls Exca-
 vating
OP
 R. D. #1
 St. Thomas, PA 17252

787. Waynesboro Construction Co.
OP Box 229
215 W. 5th St.
Waynesboro, PA 17268

INDIANA CO.

788. Eidemiller Enterprises,
Inc.
Indiana Quarry Greensburg, PA 15601

JEFFERSON CO.

789. Markle Bullers Coal Co.
OC Keystone Building
Kittanning, PA 16201

LACKAWANNA CO.

790. Baumann-Deweese
OP Shrine View
Dallas, PA 18612

791. Robert T. Chilewski
Mikolon Quarry R. D. #2
Factoryville, PA 18418

792. Melvin C. Snyder
OP R. D., Box 16
Jermyn, PA 18433

793. Witiak Excavating
OP Box 13, R. D. #1
Union Dale, PA 18470

LUZERNE CO.

794. Harold Post
OP R. D. #2
Shickshinny, PA 18655

795. Charles Pszeniczny
OP R. D. #1
Benton, PA 17814

LYCOMING CO.

796. J. T. Keliher, Inc.
OP 13 Fleming Street
South Williamsport, PA 17701

797. George E. Logue, Inc.
OP 321 Winters La.
Montoursville, PA 17754

MONROE CO.

798. Adelmann Contracting,
Inc.
OP
799. Rudolph Drop
OP
800. Eureka Stone Quarry, Inc.
Saylorburg Quarry
801. H. Charles Hoffman
OP
802. B. Gregory Krummel
OP
803. John S. Michael III
OP
804. Pocono Explosives
OP

R. D. #5, Box 210
Stroudsburg, PA 18360

R. D. #5, Box 406
E. Stroudsburg, PA 18301

Pickertown & Lower State
Rd.
Chalfont, PA 18914,
also: R.D. #2, Box 406
Stroudsburg, PA 18360

Brodheadsville, PA
18322

Box 82
Canadensis, PA 18325

R. D. #5, Box 734
E. Stroudsburg, PA 18301

R. D. #5, Box 747K
E. Stroudsburg, PA 18301

MONTOUR CO.

805. Montour Excavating
OP
806. Foster G. Watson
OP

R. D. #2
Danville, PA 17821

R. D. #1
Turbotville, PA 17772

NORTHAMPTON CO.

807. Floyd G. Brewer
OP
808. Moore Trucking, Inc.
OP

R. D. #3
Bangor, PA 18013

R. D. #1
Bath, PA 18014

NORTHUMBERLAND CO.

809. J. D. Adams Con-
struction
OP

R. D. #1
Herndon, PA 17830

810. Clair E. Brosious
OP R. D. #3
Sunbury, PA 17801
811. Callenberger Construction
OP Box 111
McEwensville, PA 17749
812. Mrs. Ray Crawford
OP R. D. #1
Watsontown, PA 17777
813. George Derk
OP Montandon, PA 17850
814. Gerald Elliott
OP R. D. #3
Muncy, PA 17756
815. Kenneth E. Erb
OP R. D. #1
Milton, PA 17847
816. Fairchild Brothers, Inc.
OP R. D. #1
Winfield, PA 17889
817. Harold N. Foye
OP R. D. #3
Sunbury, PA 17801
818. Robert W. Lawrence
OP R. D. #2, Box 115
Sunbury, PA 17801
819. George M. Lenker
OP Box 20A
Dornsife, PA 17823
820. Middleport Materials,
Inc.
OP Box 150
Schulykill Haven, PA 17972
821. Domer J. Neidig
OP 910 Market Street
Sunbury, PA 17801
822. Ponderosa Excavating, Inc.
OP R. D. #1
Northumberland, PA
17857
823. R. C. Stahlnecker
OP 305 Broadway
Milton, PA 17847

824. Bowman J. Ulrich, Jr.
OP 200 Liberty St.
Watsontown, PA 17777
825. Walter Wagner Excavating
OP R. D. #2
Northumberland, PA
17857
826. Ralph E. Wert
OP Dalmatia, PA 17017

PERRY CO.

827. H. T. Baughman
Construction Co.
OP R. D. #1
Landisburg, PA 17040
828. Chester E. Bowser
OP R. D. #2
Newport, PA 17074
829. Russell J. Campbell
OP R. D. #1
Millerstown, PA 17062
830. Fultz Bros. Inc.
OP R. D. #1
Elliottsburg, PA 17024
831. Charles E. Groff
OP R. D. #1, Box 30
Blain, PA 17006
832. Jeffries Trucking
OP R. D. #1
Blain, PA 17006
833. Kitner Bros.
OP #1, #2, #3 R. D. #1
Shermansdale, PA 17090
834. Harry B. Lesh
OP #1 and OP #2 38 No. 2nd St.
Newport, PA 17074
835. Clyde E. Smith
OP R. D. #1
Elliottsburg, PA 17024
836. G. R. Thebes
3 **OP**
2 **OP** R. D. #1
New Bloomfield, PA
17068

PIKE CO.

837. Ronald N. Jagger
OP Box 182
Dingman's Ferry, PA 18328
838. G. H. Litts & Son, Inc.
OP R. D. #2
East Stroudsburg, PA
18301
839. Lester Litts & Sons
OP R. D. #1
Bushkill, PA 18324
840. Catherine J. Olsammer
OP R. D. #1
Canadensis, PA 18325
841. Edward Vanaria
OP R. D. #1, Box 1N
Dingman's Ferry, PA 18328

SNYDER CO.

842. Mahlon L. Boop
OP R. D. #1
Selinsgrove, PA 17870
843. Melvin M. Cowan
OP R. D. #1
Beaver Springs, PA 17812
844. Glenn Dunkelberger
OP R. D. #2
Middleburg, PA 17842
845. Bruce H. Garrison
OP R. D. #1
Beavertown, PA 17813
846. Carl E. Gemberling
OP 711 No. High St.
Selinsgrove, PA 17870
847. Hackenburg Construction,
Inc.
OP Kissimmee, PA 17842
848. Marvin R. Haines
OP Mt. Pleasant Mills, PA
17853
849. M. J. Long
OP Main Street
Kreamer, PA 17833

- | | | |
|-------------------|--------------------------------------|---|
| 850. | Carl A. Miller
<i>Rhuls Pit</i> | Middleburg, PA 17842 |
| 851. | Harry L. Wagner
OP | Box 123
Beavertown, PA 17813 |
| 852. | Jacob P. Zeckman
OP | Beaver Springs, PA 17812 |
| MERSET CO. | | |
| 853. | Richard H. Jones
OP | R. D. #1, Box 427
Wimber, PA 15963 |
| LLIVAN CO. | | |
| 854. | Dale Bedford
OP | R. D. #1, Box 171
Forksville, PA 18616 |
| UNION CO. | | |
| 855. | Robert B. Bigler
OP | Weikert, PA 17885 |
| 856. | Martha J. Boop
OP | Laurelton, PA 17835 |
| 857. | Olan Boop
OP #1 and OP #2 | Laurelton, PA 17835 |
| 858. | Charles H. Buttorff
OP | Box 32
Hartleton, PA 17829 |
| 859. | Harold Hollenbach
OP | R. D. #3, Box 441
Lewisburg, PA 17837 |
| 860. | Eugene Kahley
OP | R. D. #1
Millmont, PA 17845 |
| 861. | Ernest A. Lenig
OP | R. D. #3
Lewisburg, PA 17837 |
| 862. | Milton Construction Co.
OP | Box 88, First Street
West Milton, PA 17886 |

WAYNE CO.

863. Charles H. Blackmore
OP R. D. #1, Box 41
Hawley, PA 18428
864. Joseph Ciccone
OP R. D. #2
Honesdale, PA 18431
865. Gerald H. Cousins
OP R. D. #2
Honesdale, PA 18431
866. Delaware Excavating, Inc.
OP Milanville, PA 18443
867. Dexter Construction Co.
OP R. D. #1
Narrowsburg, NY 12764
868. Joe Fobes
OP 242 Canaan Street
Carbondale, PA 18407
869. Wayne Harrison
OP R. D. #1, Box 82
Equinunk, PA 18417
870. John G. Hutchinson
OP R. D. #1
Honesdale, PA 18431
871. Indian Orchard Gravel
OP R. D. #4
Honesdale, PA 18431
872. Raymond J. Keryon
OP Box 68
Equinunk, PA 18417
873. Phyllis & Lawrence
Newport
OP R. D. #1, Box 223
Equinunk, PA 18417
874. Ronald Poska
OP R. D. #2
Forest City, PA 18421
875. Bill Pykus Excavating
OP R. D. #4
Honesdale, PA 18431
876. William K. Spry
OP Honesdale, PA 18431

877. Stanton Corners Excavating
OP
878. Wayne Swingle
OP
879. Barry Watson
OP
880. Donald & Harold Wood
OP
- R. D. #1
Narrowsburg, NY 12764
- R. D. #1, Box 196
Moscow, PA 18444
- Lakewood, PA 18439
- R. D. #2
Callicoon, NY 12723

SILTSTONE

Crushed or Broken Stone

NORTHUMBERLAND CO.

881. Bear Gap Stone, Inc.
(*Ca, Ma, Rr, Str, Ua*)
Bear Gap Quarry & Mill

R. D. #1, Box 225
Elysburg, PA 17824

PERRY CO.

882. Richard L. Bolze
OP (*Rm*)

R. D. #1
Landisburg, PA 17040

883. Harry F. Fahnestock
OP (*Rm*)

Box 33, R. D. #2
Newport, PA 17074

884. J. Harold Stydinger
OP (*Rm*)

Box 171-G, R. D. #1
Millerstown, PA 17062

SCHUYKILL CO.

885. Summit Quarries, Inc.,
Div. of J. Robert
Bazley, Inc.
OP (*Ba, Ca, Dr, Ua*)

P. O. Box 84
Summit Station, PA 17979

SLATE**LEHIGH CO.**

886. Penn Big Bed Slate
Co., Inc. (*B, Fg, Sr, St*)
Manhattan Quarry

446 Main St., Box 184
Slatington, PA 18080

NORTHAMPTON CO.

- | | | |
|------|--|---|
| 887. | Henry Capozzolo & Sons
OQ (<i>Fg, Sfr</i>) | R. D. #1, Box 216
Bangor, PA 18013 |
| 888. | Anthony Dally &
Sons, Inc.
(<i>B, Bt, Fg, Sr, St</i>)
<i>American Bangor Quarry</i>
<i>Jackson Bangor Quarry</i>
<i>Stephen Jackson Quarry & Mill</i> | Box 27
Robinson Avenue
Pen Argyl, PA 18072 |
| 889. | Diamond Slate Co., Inc.
OQ (<i>B, Bt, St</i>) | P. O. Box 5
Robinson Avenue
Pen Argyl, PA 18072 |
| 890. | Doney Slate Co.
OQ (<i>B, Bt, St</i>) | Box 5
Pen Argyl, PA 18072 |
| 891. | Emerald Slate Cor-
poration
OQ | Box 187
Wind Gap, PA 18091 |
| 892. | North Bangor Slate Co.
OQ (<i>Fg, Ms, Rf</i>) | North Main
Bangor, PA 18013 |
| 893. | Stoddard Slate Co., Inc.
(<i>B, Bt, Fg, Sfr, Sr, St</i>)
<i>Albion Quarry</i> | R. D. 1, Teels Hill
Pen Argyl, PA 18072 |

SPHALERITE (see Metals—zinc ore)

SULFUR

ALLEGHENY CO.

894. U. S. Steel Corp. 600 Grant Street, Rm. 2316
Clairton Plant Pittsburgh, PA 15230

DELAWARE CO.

PHILADELPHIA CO.

896. Atlantic Richfield Co.
Philadelphia Refinery 3144 Passyunk Ave.
Philadelphia, PA 19101

897. Gulf Oil Company, U.S.
Philadelphia Petrochemical
Div. P. O. Box 7408
Philadelphia Refinery Philadelphia, PA 19101

THORIUM (see Rare Earths and Thorium)

VERMICULITE (EXFOLIATED)

ALLEGHENY CO.

898. J. P. Austin Associates,
Inc. 300 Mt. Lebanon Boulevard
Pittsburgh, PA 19928

BUCKS CO.

899. Hyzer & Lewellen P. O. Box 155
Southampton, PA 18966

LAWRENCE CO.

900. W. R. Grace & Co.,
Zonolite Division
New Castle, Pa Plant 62 Whittemore Avenue
Cambridge, MA 02140

ZINC ORE (see Metals)

PART 2 COUNTY INDEX WITH KEY TO LOCATION PLOTTED ON "THE MINERAL PRODUCERS MAP OF PENNSYLVANIA—1976"

MAP NUMBER	PROOUCER OR OPERATOR	TYPE OR NAME OF OPERATION ^a	PRODUCTS ^b	REFERENCE NUMBER
ADAMS CO.				
1	Bethlehem Mines Corporation	Hanover quarry & plant	Agricultural stone Carbonate aggregate (Ba, Ca, Dr, Str, Rr) Filler (carbonate) Fluxstone (carbonate) Lime	142 185 309 319 337
2	Harry T. Campbell Sons' Co.	Fairfield quarry & plant	Carbonate aggregate	186
3	Harry T. Campbell Sons' Co.	Gettysburg quarry	Crushed & broken stone (Ba, Rr, Ua)	115A
4	Wilson C. Clapsaddle	Open pit	Sand & gravel (Sfl)	412
5	GAF Corporation	Charmian quarry	Roofing granules	122
6	Glen-Gery Corporation (Alwine Brick Co.)	Alwine-Hamilton #1 & #2 quarries	Structural clay products (FB)	85
7	do	Alwine-Mt. Pleasant quarry	do	85
8	do	Alwine-Oxford quarry	do	85
9	Pennsylvania Mineral & Mining Co., Inc.	Open pit	Filler (A, Is, J)	725
10	John R. Sanders	Open pit	Shale for fill & roadbuilding material	727
11	William H. Scott, Sr.	Open pit	Sand (Sfl)	413
12	Walter Quarry Co.	Quarry	Dimension stone (Os, Rc)	119
ALLEGHENY CO.				
NL	Abrasives Metals Company	Plant located in Pittsburgh	Abrasives (metallic)	2
NL	American Metallurgical Products Co., Inc.	Head office located in Pittsburgh	Rare earths and thorium	407
NL	J. P. Austin Associates, Inc.	Located in Pittsburgh	Vermiculite (exfoliated)	898
13	Burrell Construction & Supply Co.	Natrona Heights pits	Sand & gravel (Sc)	414
NL	Copperweld Corporation	Plant located Glassport	Abrasives (metallic)	3
14	Fleck Coal Company	Campbells Run quarry	Crushed & broken stone (Rr)	630
NL	Freeport Brick Company (Allegheny Brick Co.)		Refractories (AcB, P-N)	51
NL	Industeel Corporation	Pittsburgh plant	Abrasives (metallic)	4
15	Marquette Cement Mfg. Co.	Pittsburgh plant	Cement	25
16	McCrary, Inc.	Harmarville operation	Sand & gravel (Sfo, Unf)	415
17	McShane Industries, Inc.	Quarry	Crushed & broken stone	631
18	Milliken Brick Co., Inc.	Harmarville pit	Structural clay products (FB)	86
NL	Perlite Manufacturing Co.	Plant in Carnegie	Perlite (expanded)	384
NL	Satellite Alloy Corporation	Plant in Pittsburgh	Abrasives (Non-metallic; crude artificial)	1

a In some cases, the general location of the operation is given.

b Key to abbreviations appears on page

<u>MAP NUMBER</u>	<u>PROOUCER OR OPERATOR</u>	<u>TYPE OR NAME OF OPERATION</u>	<u>PRODUCTS</u>	<u>REFERENCE NUMBER</u>
19	U.S.Steel Corporation Universal Atlas Cement Div.	Universal plant	Cement	26
NL	U.S.Steel Corporation	Office in Pittsburgh	Iron oxide pigments	133
NL	U.S.Steel Corporation	Clairton plant	Sulfur	894
ARMSTRONG CO.				
20	Allegheny Sand, Inc.	Godfrey plant	Sand & gravel (Sf, Sfu)	416
21	Bradys Bend Corporation	Underground mine	Agricultural stone Carbonate aggregate Fluxstone (carbonate)	143 187 320
22	Continental Clay Products	Underground mine	Refractories Structural clay products (FB, Ste)	52 87
23	Davison Sand & Gravel Co.	Murphy's Flats operation	Sand & gravel (Bp, Cna)	417
24	Orexel Refractories	Underground mine	Refractories	53
25	Emlenton Limestone Co., Inc.	Parker pit and plant	Sand & gravel (Cna)	418
NL	Freeport Brick Company		Refractories (Pp, S-N)	54
26	Glacial Sand & Gravel Co.	Tarrytown pit	Sand & gravel (Bp, Cna, Rm)	419
27	do	Shawmut pit	do	419
28	The Logan Clay Products Co. (Worthington Ceramics Div.)	Laird Crossing plant	Refractories (F1) Structural clay products (Ct, Ft, Ste, Wt)	55 88
29	Manor Minerals, Inc.	Manor #2 quarry	Agricultural stone Carbonate aggregate (Dr, Str, Ua)	144 188
30	do	Girty plant	do	144, 188
31	Manorville Sand Co.	Templeton pit	Sand & gravel (Ca, Gr, Sc)	420
32	do	Manorville pit & plant	do	420
BEAVER CO.				
NL	Beaver Alkali Products	Plant located at Rochester	Iron oxide pigments	134
33	Colonial Clay Products Co.	Fallston plant	Structural clay products (FB)	89
34	Darlington Brick & Clay Products Co.	Alliance shale mine	Structural clay products (FB)	90
35	do	Steiner shale mine	do	90
36	do	Darlington No.1 mine	do	90
37	do	Darlington No.2 mine	do	90
38	Darlington Ready Mix Co.	No.1 mine	Sand & gravel (Cna, Rm)	421
39	Dravo Corporation	Dredge #9	Sand & gravel (Cna, Sc)	422
40	Ellwood Stone Co.	Koppel quarry	Crushed & broken stone (Se, Sfo, Sfu, Sm)	632

MAP NUMBER	PROOUCER OR OPERATOR	TYPE OR NAME OF OPERATION	PRODUCTS	REFERENCE NUMBER
41	Shippingport Sand & Gravel Co.	Georgetown operation	Sand & gravel (Bp, Cna, Unf)	423
NL	St. Joe Mineral Corp.	Monaca smelter	Mercury	363
NL	Ralph A. Veon, Inc.	Office near Darlington	Refractories	56
42	X & L Sand & Gravel Co.	No.2 mine	Sand & gravel (Unf)	424
BEDFORD CO.				
43	Bedford County Stone & Lime Co.	New Paris quarry	Carbonate raw material for cement	301
NL	O. Ross Eichner	Open pit	Shale for fill & roadbuilding	728
44	Feight Bros.	Open pit	Crushed & broken stone (Ca, Sc, Unf)	633
45	New Enterprise Stone & Lime Co., Inc.	Ashcom quarry	Agricultural stone Carbonate aggregate (Bp, Cna, Or, Str, Rr, RR, Ua) Filter stone Lime Rock dust (carbonate) for coal mines	145 189 316 338 354
46	New Enterprise Stone & Lime Co., Inc.	Weymart quarry	Crushed & broken stone (Fa)	634
BERKS CO.				
47	Berks Products Corp.	Temple quarry	Carbonate aggregate (Ba, Ca)	191
48	do	Ontelaunee Twp. quarry	do	191
49	Berks Silica Sand Corp.	Alsace Twp. quarry	Sand & gravel (Bp, Cna, Rm, Sf, Sfu)	425
50	Bethlehem Mines Corp.	Grace mine (underground)	Iron ore (magnetite)	364
51	E. J. Breneman, Inc.	Sinking Springs quarry	Carbonate aggregate (Ba, Ca, Dr)	192
52	Clow Corporation	Open pit	Structural clay products (Sew)	91
53	The John T. Oyer Quarry Co.	Clingen quarry & plant	Crushed & broken stone (Ba, Rr, RR, Ua)	116
54	Eastern Industries, Inc.	Oley quarry	Agricultural stone Carbonate aggregate Carbonate raw material for cement	146 193 302
55	do	Kutztown quarry	do	146, 193, 302
NL	do	Hinterleiter quarry	do	146, 193, 302
56	Charles G. Gabel, Inc.	Quarry	Crushed & broken stone	390
56A	The General Crushed Stone Co.	Morgantown operation	Crushed & broken stone	117
57	Glen-Gery Corp.	Heidelberg quarry	Structural clay products (FB)	92
58	do	Shoemakersville No.1 quarry	do	92

MAP NUMBER	PRDUCER OR OPERATOR	TYPE OR NAME OF OPERATION	PRODUCTS	REFERENCE NUMBER
59	Glen-Gery Corp.	Shoemakersville No.2 quarry	Structural clay products (FB)	92
60	do	Bern Twp. quarry	do	92
61	John A. & Ralph D. Gring	Gring's quarry	Crushed & broken stone	391
62	Keystone Quarry Co.	Kutztown quarry	Carbonate aggregate (Ca)	194
63	Martin Stone Quarries, Inc.	Bechtelsville quarry	Crushed & broken stone (Dr)	392
64	National Gypsum Co., Allentown Cement Division	Evansville quarry & plant	Cement	27
65	do	Oley No.1 quarry	Cement raw materials	27
66	do	Dley No.2 quarry	do	27
67	do	Richmond No.5 quarry	do	27
68	No.1 Contracting Corp.	Maxatawney quarry	Carbonate aggregate (Dr, Str, Ua)	190
69	No.1 Contracting Corp.	Fleetwood sand plant	Sand & gravel (Bp, Cna)	426
70	Pottstown Trap Rock Quarries, Inc.	Douglassville quarry	Crushed & broken stone (Ba, Ca, Dr, Str)	7
71	Tulpehocken Stone, Inc.	Robesonia quarry	Carbonate aggregate (Ca)	195
BLAIR CD.				
72	Russell C. Burkett	Open pit	Shale for fill & roadbuilding	729
73	Chimney Rocks Lime & Stone Co.	Blair Twp. quarry	Carbonate aggregate	196
74	Eldorado Stone Co.	Ellenberger quarry	Carbonate aggregate	197
75	Frankstown Sand Supply	Open pit	Sand (Sc)	427
76	Garfield Refractories Co.	Fire clay strip mine	Refractories	57
77	General Refractories Co.	Claysburg works	Refractories	58
78	do	Frankstown mill	do	58
79	do	Sprout works	do	58
80	Grannas Bros. Stone & Asphalt Co., Inc.	Hollidaysburg quarry	Carbonate aggregate (Ba, Ua)	198
81	J. L. Hartman	Sarah Furnace quarry	Crushed & broken stone (G)	393
82	Charles L. Lingenfelter	Open pit	Shale for fill & roadbuilding	730
83	New Enterprise Stone & Lime Co.	Canoe Creek quarry	Agricultural stone Carbonate aggregate (Ba, Ca, Dr, Ma, Rr, RR, Str, Ua) Filter stone	147 199 317
84	do	Roaring Springs quarry	do	147, 199, 317
85	Sprout Lime & Stone Co.	Sprout quarry	Agricultural stone	148

<u>MAP NUMBER</u>	<u>PRODUCER OR OPERATOR</u>	<u>TYPE OR NAME OF OPERATION</u>	<u>PRODUCTS</u>	<u>REFERENCE NUMBER</u>
BRADFORD CO.				
B6	Nathan Benjamin	Open pit	Sand & gravel	428
87	Ralph M. Cook	Open pit	Sand & gravel	429
BB	Russell Oane	Open pit	Sand & gravel	430
B9	Donald E. Falsey	Open pit	Shale for fill & roadbuilding	731
90	Huffman Bros.	Welles pit	Sand & gravel	431
91	James A. Lamphere	Open pit	Sand & gravel	432
92	Lyon & Morgan	Open pit	Sand & gravel	433
93	Stanton Asphalt Paving	Open pit	Sand & gravel	434
94	State Aggregates, Inc.	Athens pit	Sand & gravel (Bp, Cna, Rm)	435
95	do	Bodnar pit	do	435
96	do	Towanda #1 pit	do	435
97	do	Towanda #2 pit	do	435
98	Wysox Sand & Gravel, Inc.	Wysox operations	Sand & gravel (Cna, Rm)	436
BUCKS CO.				
99	American Olean Tile Co., Subs. of National Gypsum Co.	Quakertown pit & plant	Structural clay products	93
100	Better Materials Corp.	Quarry	Crushed & broken stone (Ba, Or, Rr)	B
101	Bituminous Service Corp.	Buckingham quarry	Carbonate aggregate (Or)	200
102	Blooming Glen Quarry	Quarry	Crushed & broken stone (Ca, Dr, Ma, Rr, Str, Ua)	9
103	Bucks County Crushed Stone, Inc.	Ottsville quarry	Crushed & broken stone (Ca)	10
104	G. & W. H. Corson, Inc.	Colony quarry	Crushed & broken stone (Ba, Ca, Or, Ma, Rm)	11
105	do	Horn quarry	do	11
106	Delaware Valley Landscape Stone, Inc.	Lumberville quarry	Dimension stone (Rc)	679
107	Joseph DiEgidio	Trevose quarry	Crushed & broken stone	123
108	Ournam & Good	Open pit	Sand & gravel (Ca, Gr, Sc)	437
109	Edison Quarry	Edison quarry	Crushed & broken stone (Dr, Fs, Str, Ua)	12
110	Eureka Stone Quarry, Inc.	Eureka quarry & plant	Crushed & broken stone (Ba, Ca, Dr)	13
111	do	Rush Valley quarry #1 & plant	do	13
112	do	Rush Valley quarry #2 & plant	do	13

MAP NUMBER	PRODUCER OR OPERATOR	TYPE OR NAME OF OPERATION	PRODUCTS	REFERENCE NUMBER
113	Eureka Stone Quarry, Inc.	Warrington quarry & plant	Crushed & broken stone (Ba, Ca, Dr)	13
114	The General Crushed Stone Co.	Rock Hill quarry	Crushed & broken stone	118
115	H & K Materials Co., Inc.	Quarry	Crushed & broken stone	14
NL	Hyzer & Lewellen	Office and/or plant located at or near Southampton	Vermiculite (exfoliated)	899
116	A. L. Lewis, Inc.	Plant #4	Sand & gravel (Cna)	438
117	M & M Stone Co.	Telford quarry	Crushed & broken stone	15
118	Mignatti Construction Co., Inc.	Naceville quarry	Crushed & broken stone	16
119	Miller Quarries, Inc.	Quarry	Crushed & broken stone	17
120	New Hope Crushed Stone & Lime Co.	Quarry	Carbonate aggregate	201
121	Plumstead Township Highway Department	Plumsteadville quarry	Crushed & broken stone (Ua)	18
NL	Polysciences, Inc.	Office and/or plant located in Warrington	Rare earths & thorium	409
122	Quakertown Brick & Tile Co.	Quakertown pit	Structural clay products (CB, FB)	94
NL	Scholl Bros.	Tohickon pit	Shale for fill & roadbuilding	732
123	Silvi Concrete Products	Open pit	Sand & gravel (Cna)	439
124	Tulleytown Sand & Gravel Co.	Tulleytown plant	Sand & gravel (Cna)	440
125	Warner Co.	Van Sciver west pits	Sand & gravel (Cna)	441
126	do	Van Sciver east pits	do	441
BUTLER CO.				
127	Allegheny Minerals Corp.	Allegheny No.2 quarry	Agricultural stone Carbonate aggregate (Ba, Ca, Rr, Str) Fluxstone Rock dust for coal mines	149 202 321 355
128	do	Gardner quarry	do	149, 202, 321, 355
129	do	McCandless quarry	do	149, 202, 321, 355
130	do	Harrisville quarry	do	149, 202, 321, 355
131	Annandale Sandstone Co., Oiv. of North Star Coal Co.	Branchton quarry	Crushed & broken stone (R, Rr) Dimension stone (Dc, Hs)	635 680
NL	The Carborundum Co.	Plant located in Butler	Abrasives (metallic)	5
132	H. W. Cooper	West Liberty pit	Sand & gravel (Cna)	443
133	Cooper Bros., Inc.	Portersville plant	Sand & gravel (Cna)	442
134	do	Redmond pit	do	442
135	Emlenton Limestone Co., Inc.	Dickey operation	Sand & gravel (Cna, Unf)	444

<u>MAP NUMBER</u>	<u>PRODUCER OR OPERATOR</u>	<u>TYPE OR NAME OF OPERATION</u>	<u>PRODUCTS</u>	<u>REFERENCE NUMBER</u>
136	Highway Sand & Gravel Co.	Open pit	Sand & gravel (Ba, Ca, Cna, Gr)	445
137	Mercer Lime & Stone Co.	Plant	Agricultural stone Lime (Hl, Ql)	150 339
138	Penn Dixie Industries, Inc.	West Winfield plant	Cement	28
139	do	Quarry	Crushed & broken stone	636
140	Sechan Limestone Industries, Inc.	Strippings	Carbonate aggregate	203
141	do	Silica sand refuse	Sand	446
142	Winfield Lime & Stone Co., Inc.	Underground mine	Agricultural stone Carbonate aggregate	151 204
CAMBRIA CO.				
143	Cresson Mobile Home Park, Inc.	Open pit	Shale for fill & roadbuilding	733
NL	Gilbert Frazier	Open pit	Shale for fill & roadbuilding	734
144	Nicosia Stone Quarry	Quarry	Crushed & broken stone (Ca, G)	637
CAMERON CO.				
145	Clearfield Crushed Cinder Co., Inc.	Oriftwood pit	Sand & gravel	447
146	Sinnemahoning Sand & Gravel Co.	Open pit	Sand & gravel	448
CARBON CO.				
147	Alliance Sand Co., Division of Martin Marietta Corp.	Palmerton quarry	Sand (Sc)	449
148	Huss Contracting Co.	Weirbach quarry	Crushed & broken stone (Ma)	638
149	The New Jersey Zinc Co., Subs. of Gulf & Western	Palmerton plant	Manganese & manganeseiferous ores Zinc products	362
150	No. American Refractories Co. Div. of Eltra Corp.	Little Gap quarry	Crushed & broken stone	639
151	John Popple Trucking Co.	Fawn Run pits	Sand & gravel	450
NL	The Prince Manufacturing Co.	Plant located in Bowmanstown	Iron oxide pigments	135
152	Refractory Sand Co.	Plant & pits #1 & #2	Sand & gravel (Bp, Sc, Rm)	451
153	J. Edgar Smith	Open pit	Shale for fill & roadbuilding	735
CENTRE CO.				
154	Black Hawk Limestone, Inc.	Black Hawk quarry	Carbonate aggregate	205

<u>MAP NUMBER</u>	<u>PRODUCER OR OPERATOR</u>	<u>TYPE OR NAME OF OPERATION</u>	<u>PRODUCTS</u>	<u>REFERENCE NUMBER</u>
155	Gold Bond Building Products, Div. of National Gypsum Co.	Bellefonte operation	Agricultural stone Carbonate aggregate Filler (carbonate) Fluxstone Carbonate for the manufacture of glass Lime (H1, Q1) Carbonate rock dust for coal mines	153 20B 310 322 334 340 356
156	Harbison-Walker Refractories, Div. of Dresser Industries, Inc.	Blair pit	Refractories	59
157	Herbert R. Imbt, Inc.	Curtin Gap quarry	Carbonate aggregate	206
158	do	Jacksonville quarry	do	206
159	Marblehead Lime Co., Div. of General Dynamics	Pleasant Gap operation	Agricultural stone Carbonate aggregate Carbonate raw material for cement Fluxstone Lime (H1, Q1) Stone sand (carbonate)	154 209 303 323 341 358
160	Martin Marietta Aggregates	White Rock quarry & mill	Carbonate aggregate Stone sand (carbonate)	210 359
161	Neidigh Bros. Limestone Co., Inc.	Quarry	Agricultural stone Carbonate aggregate	152 207
162	Warner Co.	Belle underground mine	Agricultural stone Carbonate aggregate Fluxstone Carbonate for the manufac- ture of glass Lime (H1, Q1) Rock dust (carbonate) for coal mines	155 211 324 335 342 357

CHESTER CO.

NL	Atglen Quarries, Inc.	Quarry	Crushed & broken stone Dimension stone	124 129
163	Avon Grove Quarry	Quarry	Dimension stone	401
164	Clan Building Stone Corp.	Honey Brook quarry	Dimension stone	402
165	Devault Stone Co.	Quarry	Crushed & broken stone	125
NL	Foote Mineral Co.	Sales office located at Exton	Iron oxide pigments Rare earths & thorium	136 40B
166	The General Crushed Stone Co.	Dowingtontown quarry	Carbonate aggregate (Ca)	212
167	Keystone Trappe Rock, Inc.	Keystone quarry	Crushed & broken stone Dimension stone	126 130
168	Martin Marietta Aggregates	Catanach quarry	Agricultural stone Carbonate aggregate Fluxstone Refractory (dolomite) Stone sand (carbonate)	156 213 325 351 360
169	McAvoy Vitrified Brick Co.	Open pit	Structural clay products (FB)	95

<u>MAP NUMBER</u>	<u>PRODUCER OR OPERATOR</u>	<u>TYPE OR NAME OF OPERATION</u>	<u>PRODUCTS</u>	<u>REFERENCE NUMBER</u>
170	Pennsylvania Granite Corp.	Quarry	Dimension stone (Ar, M)	120
171	Albert N. Rotunno	Quarry	Dimension stone (Cb, R, Rc, Rf)	403
172	Valley Forge Stone Co.	Quarry	Dimension stone (Ar, Oc, Ds, Fg, Ra)	404
173	Warner Co.	Cedar Hollow quarry & plant	Agricultural stone Carbonate aggregate Filler (carbonate) Fluxstone Lime (Hl, Q1) Refractory dolomite	157 214 311 326 343 352
174	C. Mark Wise	Golden Green Parksburg quarry	Dimension stone	405
CLARION CO.				
175	AH-RS Coal Corp.	Turkey City quarry	Carbonate aggregate	215
176	Allegheny Minerals Corp.	Parker quarry	Agricultural stone Carbonate aggregate	158 216
177	Emleton Limestone Co., Inc.	Turkey City quarry	Carbonate aggregate	217
178	Glacial Sand & Gravel Co.	Glacial pit #1	Sand & gravel (Cna, Unf)	452
179	do	Glacial pit #2	do	452
NL	A. P. Green Refractories Co.	Kahle #1	Refractories	60
180	Manor Minerals, Inc.	Clarion quarry	Carbonate aggregate (Dr, Ua)	218
181	Zacherl Coal Co., Inc.	Zacherl quarry	Crushed & broken stone (Dr, Fs, Ua)	640
CLEARFIELD CO.				
182	Clearfield Clay Products, Div. of Crescent Brick Co., Inc.	Dush #1 pit	Refractories	61
183	do	Moore #1 pit	do	61
184	do	Resco property	do	61
NL	do	Turner pit	do	61
185	do	Wingert property	do	61
186	do	Mill	do	61
187	A. P. Green Refractories Co.	Dimeling #1 pit	Refractories	62
188	Harbison-Walker Refractories Co., Div. of Dresser Industries, Inc.	Mill	Refractories Structural clay products (C8); raw material only from the Dill mine.	63 96
189	do	Bell Run mine	Refractories	63
190	do	Bigler and Black mine	do	63
191	do	Cristiana Korb mine	do	63
192	do	Dill mine	Structural clay products	63, 96

COUNTY INDEX

107

<u>MAP NUMBER</u>	<u>PRODUCER OR OPERATOR</u>	<u>TYPE OR NAME OF OPERATION</u>	<u>PRODUCTS</u>	<u>REFERENCE NUMBER</u>
193	Harbison-Walker Refractories Co., Div. of Dresser Industries	Dixon strip	Refractories	63
194	do	Korb mine - "Deemer tract"	do	63
NL	do	Passmore mine	do	63
195	do	Woodland mine	do	63
NL	K & H Company	Open pit	Refractories	64
NL	Lansberry Coal & Excavating Co.	Open pit or stripping	Refractories Structural clay products (Tca)	65 97
196	Marion Brick Corp.	Clearfield #1 pit	Structural clay products (FB)	98
197	Irvin T. Miller & Co., Inc.	Quarry	Crushed and broken stone	641
198	North American Refractories Co., Div. of Eltra Corp.	Curwensville #1	Refractories	66
199	do	Deemer #1	do	66
NL	do	Turner strip	do	66
200	do	Wise pit	do	66
201	Reese Bros.	Kanouff property	Refractories	67
202	do	Mease Pardee #1	do	67
NL	Swistock & George	Swistock #1	Refractories	68
203	T & T Clay Co.	Kyler #1	Refractories	69
204	do	Open pit	do	69
NL	Thomas Bros. Coal Co.	Welty strip mine	Refractories	70
205	Union Clay Co., Inc.	Union clay-coal strip #1	Clay for the manufacture of cement Refractories	45 71
206	George Yingling & Sons	Yingling clay pit	Refractories	72
CLINTON CO.				
NL	Peter M. Evock	West Branch mine	Refractories	73
207	Faylor-Middlecreek, Inc.	Logantown quarry	Carbonate aggregate	219
208	Fink & Stackhouse, Inc.	Big Hepburn pit	Clay for the manufacture of cement	46
209	do	Monument pit	do	46
210	Harbison-Walker Refractories, Div. of Dresser Industries, Inc.	Twin Run mine	Refractories	74
211	Lycoming Silica Sand Co.	Salona quarry	Carbonate aggregate (Ba, Ca, Or, Rr, RR, Str)	220
212	Mill Hall Clay Products, Inc.	Castanea pit	Refractories (Fl) Structural clay products (Dt, Tca)	75 99

MINERAL INDUSTRY DIRECTORY

<u>MAP NUMBER</u>	<u>PRODUCER OR OPERATOR</u>	<u>TYPE OR NAME OF OPERATION</u>	<u>PRODUCTS</u>	<u>REFERENCE NUMBER</u>
COLUMBIA CO.				
213	Benton Peat Products	Office	Peat	371
214	Bloomsburg Sand & Gravel	Open pit	Sand & gravel (Cna)	453
215	Fishing Creek Construction Co., Inc.	Fishing Creek quarry	Crushed or broken stone	642
216	Ryland L. Hock	Open pit	Shale for fill & roadbuilding	736
217	Warren Kessler	Open pit	Shale for fill & roadbuilding	737
218	Lycoming Silica Sand Co.	Mausdale #2 quarry	Carbonate aggregate (Ba, Ca, Dr, Rr, Str)	221
219	Robert C. Young, Inc.	Open pit	Shale for fill & roadbuilding	738
CRAWFORD CO.				
220	Atlas Sand & Gravel, Inc.	Hartstown pit & plant	Sand & gravel	454
221	Conneaut Lake Sand & Gravel, Inc.	Open pit	Sand & gravel (Bp, Cna, Unf)	455
222	Danforth & Wood	Brown pit	Sand & gravel	456
223	W. L. Dunn Construction Co.	Kantz pit	Sand & gravel (Bp, Cna, Rm)	457
224	Emlenton Limestone Co., Inc.	Conneaut Lake #1	Sand & gravel	458
225	do	Conneaut Lake #2	do	458
226	Virgil J. Foust	Open pit	Sand & gravel	459
227	Leroy R. Glover	Open pit	Sand & gravel	460
228	Marvin L. Hall	Open pit	Sand & gravel	461
229	Hasbrouck Sand & Gravel, Inc.	Hasbrouck pit #1	Sand & gravel (Bp, Cna, Rm)	462
230	Robert C. Harrington	Open pit	Sand & gravel	463
231	Harry Hudson	Open pit	Sand & gravel	464
232	Meadville Redi-Mix Concrete, Inc.	Kebert property	Sand & gravel (Gr, Sc)	465
233	do	East Fairfield Twp. pit	do	465
234	do	Wyant Farm washing plant	do	465
235	Ella Rung	Open pit	Sand & gravel	466
236	Walter Shevitz	Open pit	Sand & gravel	467
237	Arthur E. Stewart	Open pit	Sand & gravel	468
NL	Gary Theuret Excavating	Open pit	Sand & gravel	469
238	Gerald Thomas Sand & Gravel	Open pit	Sand & gravel	470
239	William H. Welsh	Open pit	Sand & gravel	471

<u>MAP NUMBER</u>	<u>PRODUCER OR OPERATOR</u>	<u>TYPE OR NAME OF OPERATION</u>	<u>PRODUCTS</u>	<u>REFERENCE NUMBER</u>
CUMBERLAND CO.				
24D	R. A. Bender & Son	Mt. Holly Springs quarry	Crushed & broken stone (Or)	394
241	Bobali Corp.	Bowmanstown quarry	Carbonate aggregate	222
242	Carlisle Clay, Inc., Div. of Medusa Portland Cement Co.	Toland pit	Clay for use in the manufac- ture of cement	47
243	Edlu Corp.	Open pit	Shale for fill & roadbuilding	739
244	do	Quarry	Crushed & broken stone	395
NL	Jack G. Frey	Open pit	Shale for fill & roadbuilding	740
245	C. & L. Goodhart Sand & Gravel, Div. of Rimac, Inc.	Quarry	Crushed & broken stone	396
246	Jack H. Hackenberry	Open pit	Shale for fill & roadbuilding	741
247	Harold L. Hamilton	Open pit	Shale for fill & roadbuilding	742
248	Hempt Bros., Inc.	Camp Hill quarry	Carbonate aggregate (Ba, Ca, Dr, Str)	223
249	Hempt Bros., Inc.	Coyle pit	Sand & gravel (Bp, Cna)	472
250	do	Martin pit	do	472
251	do	Mt. Holly pit	do	472
252	Hopewell Township	Open pit	Shale for fill & roadbuilding	743
253	E. E. Kough Sons	Open pit	Shale for fill & roadbuilding	744
254	Locust Point Quarries, Inc.	Locust Point quarry	Agricultural stone Carbonate aggregate	159 224
NL	Nelson L. Minich	Open pit	Shale for fill & roadbuilding	745
255	Robert Noll, Inc.	Open pit	Shale for fill & roadbuilding	746
256	Penn Products Corp.	Blackbird clay mine	Stoneware	84
257	Pennsy Supply, Inc.	Silver Spring quarry	Carbonate aggregate (Ba, Ca, Dr)	225
258	Raymond E. Russell	Open pit	Shale for fill & roadbuilding	747
259	do	Open pit	do	747
260	Lynn R. Shaw	Open pit	Shale for fill & roadbuilding	748
261	Snoke's Excavating & Paving, Inc.	Open pit	Shale for fill & roadbuilding	749
262	Lewis D. Swartz	Open pit	Shale for fill & roadbuilding	750
263	Union Quarries, Inc.	Bonny Brook quarry	Carbonate aggregate (Ca, Dr)	226
264	Valley Quarries, Inc., Subs. of New Enterprise Stone and Lime Co.	Quarry	Agricultural stone Carbonate aggregate (Ba, Ca, Str, Ua)	160 227
265	John F. Walter Excavating, Inc.	Open pit #1 (Failor)	Shale for fill & roadbuilding	751
266	do	Open pit #2 (Albright)	do	751

<u>MAP NUMBER</u>	<u>PRODUCER OR OPERATOR</u>	<u>TYPE OR NAME OF OPERATION</u>	<u>PRODUCTS</u>	<u>REFERENCE NUMBER</u>
267	Carroll L. Wickart	Open pit	Shale for fill & roadbuilding	752
268	Young's Excavating Co.	Open pit	Shale for fill & roadbuilding	753
DAUPHIN CO.				
NL	Blue Mountain Building Co.	Quarry	Dimension stone	406
269	Faylor-Middlecreek, Inc.	Elizabethville quarry	Crushed & broken stone (Ba, Ca, Ua)	643
270	Hempt Bros., Inc.	Steelton quarry	Carbonate aggregate (Ba, Or)	228
271	Pennsy Supply, Inc.	Hummelstown quarry	Carbonate aggregate (Ba, Ca, Or)	229
272	Pennsy Supply, Inc.	Amity Hall plant	Sand & gravel (Cna, Dr, Unf)	473
273	Vernell, Inc.	Vernell quarry	Carbonate aggregate	230
DELAWARE CO.				
NL	B. P. Oil, Inc.	Marcus Hook plant	Sulfur	895
274	The General Crushed Stone Co.	Glenn Mills quarry	Crushed & broken stone (Ba, Dr)	127
275	Media Quarry Co.	Quarry	Dimension stone	368
276	Pyramid Land Development Co.	Open pit	Crushed & broken stone (R)	366
ELK CO.				
NL	H & N Affiliates, Inc.	Micale Bros. quarry	Sand & gravel (Rm)	474
ERIE CO.				
277	Joseph R. Arendash	Girard pit	Sand & gravel	475
278	do	Nickel Plate pit	do	475
279	Clark Construction Supply Co., Inc.	Open pit	Sand & gravel (Cna, Rm)	476
280	Albert R. Conn	Open pit	Sand & gravel	477
281	Corry Peat Products Co.	Corry bog	Peat	372
282	Ronald L. Crosscut	Crosscut pit	Sand & gravel	478
NL	Harold E. Dowler	Open pit	Sand & gravel	479
283	Edinboro Gravel Co.	Open pit	Sand & gravel	480
NL	Erie Aggregates, Division of Dunbar Slag Co., Inc.	Open pit	Sand & gravel	481
NL	Erie Sand & Gravel Co.	Lake Erie dredging	Sand (Sc)	482
NL	Erie Sand Steamship Co.	Lake Erie dredge	Sand (Sc)	483
284	Ganzer Sand & Gravel	Ganzer pit	Sand & gravel	484

<u>MAP NUMBER</u>	<u>PRODUCER OR OPERATOR</u>	<u>TYPE OR NAME OF OPERATION</u>	<u>PRODUCTS</u>	<u>REFERENCE NUMBER</u>
285	Elwood or Elaine Grubbs	Open pit #1	Sand & gravel	485
286	do	Open pit #2	do	485
287	Happy Homes Enterprises, Inc.	Open pit	Sand & gravel	486
288	John W. Hollis	Open pit	Sand & gravel	487
289	Hoover Sand & Gravel	Hoover pit #1	Sand & gravel (Bp, Cna, Dr, Unf)	489
290	do	Hoover pit #2	do	489
291	do	Hoover pit #3	do	489
292	Harry C. Houser	Open pit	Sand & gravel (Rm)	488
293	Maybro Asphalt Co.	Open pit #1	Sand & gravel	490
294	do	Open pit #2	do	490
295	Mayer Bros. Construction Co.	McKean pit	Sand & gravel	491
296	McCormick Materials	Open pit	Sand & gravel (Or, Gr)	492
297	Nicholson Services	Open pit	Sand & gravel (Bp, Cna)	493
298	Northwest Gravel Co.	Open pit	Sand & gravel (Cna, Unf)	494
299	C. B. Stockton	Open pit	Sand & gravel	495
300	Joseph M. Tomcho & Sons, Inc.	Tomcho pit	Sand & gravel	496
301	Union City Sand & Gravel, Inc.	Open pit #1	Sand & gravel (Bp, Cna, Unf)	497
302	do	Open pit #2	do	497
303	West Ridge Gravel Co.	Open pit	Sand & gravel (Bp, Cna)	498
304	Wurst Construction	Bagdad pit	Sand & gravel	499
305	do	Valley pit	do	499
306	Herman J. Zielinski	Open pit	Sand & gravel	500

FAYETTE CO.

307	Commercial Stone Co., Inc.	Connellsville bluestone quarry	Carbonate aggregate	231
308	do	Rich Hill quarry	do	231
309	Adam Eidemiller, Inc.	Rhodes quarry	Carbonate aggregate	232
310	Harbison-Walker Refractories Co., Div. of Dresser Industries, Inc.	Smith mine	Refractories	76
311	Kaiser Refractories, Div. of Kaiser Aluminum & Chemical Corp.	Potatoe Ridge operation	Refractories	77
312	Martin Marietta Aggregates, Div. of Martin Marietta Corp.	Coolspring quarry	Carbonate aggregate	233

<u>MAP NUMBER</u>	<u>PRODUCER OR OPERATOR</u>	<u>TYPE OR NAME OF OPERATION</u>	<u>PRODUCTS</u>	<u>REFERENCE NUMBER</u>
FOREST CO.				
313	Jack Kuntz Sand & Gravel	Kuntz pit	Sand & gravel	501
314	Tionesta Sand & Gravel, Inc.	Tionesta pit #1	Sand & gravel	502
315	do	Tionesta pit #2	do	502
316	Yeaney Farms	Quarry	Crushed or broken stone	644
FRANKLIN CO.				
317	R & A Bender, Inc.	Open pit	Shale for fill & roadbuilding	754
318	R. L. Bowerman	Open pit	Shale for fill & roadbuilding	755
319	do	Open pit	Crushed or broken stone	645
320	Charles E. Brake Co., Inc.	Mieks pit	Shale for fill & roadbuilding	756
321	do	Rife pit	do	756
322	Paul M. Bricker	Open pit	Shale for fill & roadbuilding	757
323	James E. Campbell	Open pit	Shale for fill & roadbuilding	758
324	Jay E. Chamberlin	Open pit	Shale for fill & roadbuilding	759
325	Ronald L. Clark	Open pit	Shale for fill & roadbuilding	760
326	Lester G. Crider	Crider pit	Shale for fill & roadbuilding	761
327	Crouse Bros.	Crouse pit	Shale for fill & roadbuilding	762
328	A. L. Decker	Decker pit	Shale for fill & roadbuilding	763
329	Frank J. Oice	Open pit	Shale for fill & roadbuilding	764
330	Fayetteville Contractors, Inc.	Open pit	Shale for fill & roadbuilding	765
331	do	Open pit	do	765
332	Guilford Twp. Supervisors	Open pit	Shale for fill & roadbuilding	766
333	Lee R. Hammer	Hamner pit	Shale for fill & roadbuilding	767
334	E. Paul Hess	Open pit	Shale for fill & roadbuilding	768
335	Ronald O. Hess	Open pit #1	Shale for fill & roadbuilding	769
336	do	Open pit #2	do	769
337	do	Open pit #3	do	769
338	A. C. Johnson	Open pit #1	Shale for fill & roadbuilding	770
339	do	Open pit #2	do	770
340	Johnston Bros. Construction Co.	Open pit	Shale for fill & roadbuilding	771
341	Jay L. Jones	Open pit	Shale for fill & roadbuilding	772
342	Chas. W. Kershner Jr., & Son	Open pit	Shale for fill & roadbuilding	773
343	Lurgan Township Supervisors	Open pit	Shale for fill & roadbuilding	774

COUNTY INDEX

113

<u>MAP NUMBER</u>	<u>PRODUCER OR OPERATOR</u>	<u>TYPE OR NAME OF OPERATION</u>	<u>PRODUCTS</u>	<u>REFERENCE NUMBER</u>
344	David H. Martin	Young pit	Shale for fill & roadbuilding	775
345	Ebbert S. Martin	Open pit	Shale for fill & roadbuilding	776
346	Robert D. McCulloh	Open pit #1	Shale for fill & roadbuilding	777
347	do	Open pit #2	do	777
348	Montgomery Township	Open pit	Shale for fill & roadbuilding	778
349	Mt. Cydonia Sand Co., Inc.	Open pit #1	Sand & gravel (8p, Cn, Sc)	503
350	do	Open pit #2	do	503
351	New Enterprise Stone & Lime Co.	Dry Run quarry	Agricultural stone Carbonate aggregate (Ca, Dr, Fs, Rr, RR, Str, Ua)	161 234
352	Peters Township	Open pit #1	Shale for fill & roadbuilding	779
353	do	Open pit #2	do	779
354	Ray C. Rhinehart	Open pit	Shale for fill & roadbuilding	780
355	Richard E. Rockwell	Open pit	Shale for fill & roadbuilding	781
356	Snake's Excavating & Paving, Inc.	Vaugh pit	Shale for fill & roadbuilding	782
357	Earl C. Starliper	Open pit	Shale for fill & roadbuilding	783
358	Sunny Hill Development Corp.	Open pit	Shale for fill & roadbuilding	784
359	Valley Quarries, Inc., Subs. of New Enterprise Stone & Lime Co.	New Franklin quarry	Carbonate aggregate (8a, Ca, Or, Ma, RR, Str, Ua)	235
360	Walls Bros. Salvage	Open pit	Shale for fill & roadbuilding	785
361	Lester E. Walls Excavating	Open pit	Shale for fill & roadbuilding	786
362	Waynesboro Construction Co.	Open pit	Shale for fill & roadbuilding	787
NL	J. Raymond Zeek	Orrstown quarry	Dimension stone	681
FULTON CO.				
363	H. B. Mellot Estate, Inc.	Big Cove Tannery	Agricultural stone Carbonate aggregate	162 236
364	do	Charlton quarry	do	162, 236
365	H. B. Mellot Estate, Inc.	Francis Smith pit	Sand (Sc)	504
HUNTINGDON CO.				
366	Harbison-Walker Refractories Co., Div. of Dresser Industries, Inc.	Mt. Union quarry	Crushed & broken stone (G)	397
367	Narehood Bros. Co., Inc.	Tyrone Forge quarry	Agricultural stone Carbonate aggregate	163 237

<u>MAP NUMBER</u>	<u>PRODUCER OR OPERATOR</u>	<u>TYPE OR NAME OF OPERATION</u>	<u>PRODUCTS</u>	<u>REFERENCE NUMBER</u>
368	New Enterprise Stone & Lime Co.	Hesston quarry	Agricultural stone Carbonate aggregate (Ba, Ca, Dr, Fs, Ma, Str, Rr, RR, Ua)	164, 238
369	do	McConnelstown quarry	do	164, 238
370	do	Orbisonia quarry	do	164, 238
NL	North American Refractories Co., Div. of Eltra Corp.	Three Springs quarry	Crushed & broken stone (G)	398
371	Parsons Stone & Lime Co.	Shade Gap quarry & mill	Carbonate aggregate	239
372	Pennsylvania Glass Sand Corp.	Keystone plant	Sand & gravel (Sa, Sb, Sch, Se, Sen, Sf, Sfl, Sfo, Sg, Si, Sm, Sp)	505
373	do	Keystone quarry	do	505
374	Resco Products, Inc. (Alexandria Fire Clay Div.)	Kilns	Refractories	78
375	do	Open pit	do	78
376	Warner Co.	Union Furnace	Carbonate aggregate (Ba, Ca, Dr, Rr, RR, Str, Ua)	240
INDIANA CO.				
377	Eidemiller Enterprises, Inc.	Indiana quarry	Shale for fill & roadbuilding	788
JEFFERSON CO.				
378	Brockway Clay Co.	Plant	Refractories (F1) Structural clay products (Sew)	79, 100
379	do	Wayne Morrison strip	do	79, 100
380	David P. Glenn	Glenn #1 mine	Crushed or broken stone	646
381	Hanley Co., Inc.	Plant	Structural clay products (FB)	101
382	do	Hanley mine 4A	do	101
NL	Markle Bullers Coal Co.	Open pit	Shale for fill & roadbuilding	789
NL	R.E.M. Coal Co., Inc.	Shoffner mine	Crushed or broken stone	647
NL	Sugar Hill Limestone Co.	Quarry	Carbonate aggregate	241
JUNIATA CO.				
383	Juniata Limestone Co.	Fayette Township quarry	Agricultural stone Carbonate aggregate	165, 242
LACKAWANNA CO.				
384	American Asphalt Paving Co.	Covington pit	Sand & gravel	506
385	Donald Andrews	Open pit	Sand & gravel (S)	507
386	Baumann-Deweese	Open pit	Shale for fill & roadbuilding	790

COUNTY INDEX

115

MAP NUMBER	PRODUCER OR OPERATOR	TYPE OR NAME OF OPERATION	PRODUCTS	REFERENCE NUMBER
387	Thomas Chilewski, Jr.	Quarry #1	Flagstone	694
388	do	Quarry #2	do	694
389	Robert T. Chilewski	Mikolon quarry	Shale for fill & roadbuilding	791
390	Empire Excavating Co.	Open pit	Sand & gravel	508
391	Eureka Stone Quarry, Inc.	Oaleville quarry	Crushed or broken stone (Ba, Ua)	648
392	Joseph Godino	West Mountain Stone quarry	Crushed or broken stone	649
393	Gouldsboro-Wayne Peat Humus & Hardwood Mulch Co.	Wildcat swamp	Peat	373
394	Joseph M. Grab	Grab pit #1	Sand & gravel	509
395	do	Grab pit #2	do	509
396	Jackson Crushed Stone, Inc.	Jackson quarry	Crushed or broken stone	650
397	Keystone Pavement Construction Co.	Mead pit	Sand & gravel	510
398	Lake Benton Peat Moss Co., Inc.	Peat bog	Peat	374
399	Laurel Mountain Stone Corp.	Lackawanna quarry	Crushed or broken stone	651
400	John Matisko	Matisko pit	Sand & gravel	511
401	Alfio Paolucci	Open pit	Sand & gravel	512
402	Clarence C. Smith	Quarry	Flagstone	695
403	Melvin C. Snyder	Open pit	Shale for fill & roadbuilding	792
404	Tamarack Topsoil Co.	Carpenter swamp	Peat	375
405	Witiak Excavating	Open pit	Shale for fill & roadbuilding	793
LANCASTER CO.				
NL	Armstrong Cork Co.	Marietta ceiling plant	Perlite (expanded)	385
406	Binkley & Ober, Inc.	Quarry	Carbonate aggregate (Ba, Ca, Ma, Rr, RR, Ua)	243
407	The Blue Ball Stone Co., Inc.	Quarry	Carbonate aggregate (Ba, Ca, Or, Ma, Rr, RR, Ua)	244
408	J. M. Brenner Co.	Brenner quarry	Carbonate aggregate	245
409	David M. Burkholder, Inc.	Quarry	Agricultural stone Carbonate aggregate (Ba, Or)	166 246
410	Compass Quarries, Inc.	Compass quarry	Agricultural stone Carbonate aggregate	167 247
411	J. Miller Eshleman & Son, Inc.	Landisville quarry	Carbonate aggregate (Ca, Or, Ma, Ua)	248
412	Gerhart Road Materials, Inc.	Gerhart pit	Sand & gravel (Bp, Cna, Unf)	513
413	A. G. Kurtz & Sons, Inc.	Oenver quarry	Carbonate aggregate (Ba, Ca, Or, Fa, Str)	249

<u>MAP NUMBER</u>	<u>PRODUCER OR OPERATOR</u>	<u>TYPE OR NAME OF OPERATION</u>	<u>PRODUCTS</u>	<u>REFERENCE NUMBER</u>
414	Lancaster Brick Co.	Lancaster pit	Structural clay products (FB)	102
415	Lancaster Lime & Stone Corp., Div. of Kurtz Materials Co.	Schoeneck operation	Carbonate aggregate Carbonate raw material for cement Fluxstone	250 304 327
416	Martin Limestone, Inc.	Limeville quarry	Agricultural stone Carbonate aggregate (Ca, Or, Ma)	168 251
417	do	Weaverland quarry	do	168, 2S1
418	H. R. Miller, Inc.	Quarry	Carbonate aggregate (Ba, Ca, Dr, Ua)	2S2
419	Milton Grove Sand, Inc.	Milton Grove pit	Sand & gravel (Bp, Sc, Unf)	S14
420	Narvon Products, Inc.	Narvon mine	Animal feed Clay for cement Clay filler material (P, Ru) Pesticides & related products Water treatment clay	44 48 49 50 11S
421	Rohrers Quarry, Inc.	Lititz quarry	Carbonate aggregate (Ba, Ca, Dr, Str)	2S3
422	D. M. Stoltzfus & Son, Inc.	Cedar Hill quarry	Crushed & broken stone (Ba, Ca, Dr, Ma, Str)	726
423	D. M. Stoltzfus & Son, Inc.	Paradise quarry	Agricultural stone Carbonate aggregate (Ba, Ca, Or, Ma, Str)	169 2S4
424	do	Talmage quarry	do	169, 2S4
425	Union Quarries, Inc.	Rheems quarry	Carbonate aggregate (Ba, Ca, Dr, Ma, Str)	2S5

LAWRENCE CO.

426	Ambrosia Coal & Construc- tion Co.	Open pit	Sand & gravel	S15
427	B & L Paving Co., Inc.	Rhodes pit	Sand & gravel	S16
428	Bessemer Cement Co., Div. of Louisville Cement Co.	Bessemer plant	Cement	29
429	George R. Biddle	Open pit	Sand & gravel	S17
430	D. M. Boyd Co.	Boyd bog	Peat	376
431	Cooper Bros., Inc.	Rock Springs pit	Sand & gravel	S18
432	H. W. Cooper & Sons, Inc.	Taylor Run operation	Sand & gravel	S19
NL	Joseph DePola	Open pit	Sand & gravel	S20
433	Ellwood Stone Co.	Rockford quarry	Sand (Sb, Se, Sfl, Sfo, Ss) Crushed & broken stone	S21 6S2
434	Fenati Brick Co., Inc.	Plant	Structural clay products (FB)	103
435	Charles O. Fobes, Jr.	Open pit	Sand & gravel	522

COUNTY INDEX

117

<u>MAP NUMBER</u>	<u>PROOUCER OR OPERATOR</u>	<u>TYPE OR NAME OF OPERATION</u>	<u>PRODUCTS</u>	<u>REFERENCE NUMBER</u>
NL	W. R. Grace & Co., Zonolite Division	New Castle plant	Vermiculite (exfoliated)	900
436	James F. Hamilton	Hamilton pit	Sand & gravel	523
437	Mahoning Valley Sand Co.	Crawford-Warner quarry	Sand & gravel (Bp, Cna, Unf)	524
438	do	Newport pit	do	524
439	William H. Mayberry	Triangle pit	Sand & gravel	525
440	McQuiston Coal Co.	Midland operation	Structural clay products (FB)	104
441	Medusa Cement Co. Div. of Medusa Corp.	Plant	Cement	30
442	do	Wampum quarry	Cement raw materials	30
443	New Castle Lime & Stone Co.	Eskine quarry	Agricultural stone Lime	170 344
444	Jack M. Randall	Open pit	Sand & gravel	526
NL	Reactive Metals & Alloys	West Pittsburgh operations	Rare earths & thorium	410
445	Sechan Limestone Industries, Inc.	Quarry	Carbonate aggregate	256
NL	Russell Seh	Open pit	Sand & gravel	527
446	Superior Sand & Supply Co.	Eastbrook pit	Sand & gravel (Bp, Cna, Unf)	528
447	Vanport Sand & Gravel, Inc.	Open pit	Sand & gravel (Bp, Cna, Unf)	529
448	Vanport Stone, Inc.	No.3 W.Pittsburgh quarry	Carbonate aggregate (Ba, Ca, Str)	257
449	Ralph A. Veon, Inc.	Herbert pit	Structural clay products (CB, Ot, FB, Sew)	105
450	do	Veon pit	do	105
451	do	Whippo #26 pit	do	105
LEBANON CO.				
452	Bethlehem Mines Corp., Millard Quarry Division	Millard quarry	Carbonate aggregate (Ba, Ca, Or, Fa, RR, Str) Carbonate for cement Fluxstone Lime	258 305 328 345
453	Calcite Quarry, Inc. Subs. of G. & W. H. Corson, Inc.	Quarry	Agricultural stone Carbonate aggregate (Ba, Ca, Or, Str) Carbonate for cement Fluxstone	171 259 306 329
454	H. J. Smith & Sons, Inc.	Fontana quarry	Carbonate aggregate (Ba, Ca, Or, Ma)	260
LEHIGH CO.				
455	Coopersburg Granite Co.	Plant	Dimension stone	121

<u>MAP NUMBER</u>	<u>PRODUCER OR OPERATOR</u>	<u>TYPE OR NAME OF OPERATION</u>	<u>PRODUCTS</u>	<u>REFERENCE NUMBER</u>
456	Coplay Cement Manufacturing Co.	Quarry #8 & plant	Cement	31
457	Eastern Industries, Inc.	Ormrod quarry	Carbonate aggregate	261
458	do	Whitehall quarry	do	261
459	Roy J. Kern	Kern quarry	Carbonate aggregate	262
460	Lehigh Stone Co.	Ormrod quarry	Carbonate aggregate (Ba, Ca, Dr, Str, Ua) Carbonate for cement	263 307
461	The New Jersey Zinc Co. Subs. of Gulf & Western Industries, Inc.	Friedensville mine	Agricultural stone Filler Zinc ore	172 312 365
462	Penn Big Bed Slate Co., Inc.	Manhattan quarry	Slate (B, Fg, Sr, St)	886
NL	Pennsylvania Perlite Corp.	Located in or near Lehigh Valley	Perlite (expanded)	386
463	The Whitehall Cement Mfg. Co.	Cementon quarry & plant	Cement	32
464	do	Egypt quarry	Cement raw materials	32
465	do	Ormrod quarry	do	32
LUZERNE CO.				
466	Adonizio Bros. Inc.	Keystone quarry	Crushed or broken stone	653
467	Airport Sand & Gravel Co., Inc.	Exeter pit	Sand & gravel (Bp, Cna, Dr)	530
468	do	West Wyoming pit	do	530
469	American Asphalt Paving Co.	Chase quarry	Crushed or broken stone	654
470	A. Barletta & Sons	Honey Hole	Sand & gravel (Bp, Cna, Or)	531
471	Blue Ridge Industries, Inc.	Hawks bog	Peat	377
NL	Bylite Corp.	Lelite plant	Lightweight aggregate (Ex Sh)	141
472	Colarusso	Open pit	Sand & gravel	532
473	Coolbaugh Sand & Stone Co., Inc.	Coolbaugh quarry	Crushed or broken stone (Ba, Ca, Dr, Rr, RR)	655
474	Barry Edwards	Open pit	Sand & gravel	533
475	Fehlingers Peat Moss	Bog	Peat	475
476	The General Crushed Stone Co.	White Haven quarry	Crushed or broken stone	656
477	Joseph M. Grab	Open pit	Sand & gravel	534
478	Hazleton Brick Co.	Plant & pit	Structural clay products (CB, FB)	106
479	J. A. & W. A. Hess, Inc.	Open pit	Sand & gravel (Bp, Cna, Unf)	535
480	Hunlock Sand & Gravel Co.	Open pit	Sand & gravel (Bp, Cna, Unf)	536
481	International Peat, Inc.	White Haven bog	Peat	379
482	N & B Enterprise, Inc.	Open pit	Sand & gravel	538

COUNTY INDEX

119

<u>MAP NUMBER</u>	<u>PRODUCER OR OPERATOR</u>	<u>TYPE OR NAME OF OPERATION</u>	<u>PRODUCTS</u>	<u>REFERENCE NUMBER</u>
4B3	Gerald & Lewis Naugle	Open pit	Sand & gravel	537
4B4	Marvin Patterson	Open pit	Sand & gravel	539
485	Pennsylvania Peat Moss, Inc.	White Haven bog	Peat	380
4B6	Harold Post	Open pit	Shale for fill & roadbuilding	794
487	Charles Pszeniczny	Open pit	Shale for fill & roadbuilding	795
488	Donald E. Rinehimer	Open pit	Sand & gravel	540
489	Frank Sgarlat Sand & Gravel Co. Kingston operation		Sand & gravel (Bp, Cna, Unf)	541
490	do	Meeker pit	do	541
491	do	West Wyoming pit	do	541
NL	Donald C. Sorber	Open pit	Sand & gravel	542
492	Stillers Blue Ridge Peat Co.	Bog	Peat	3B1
LYCOMING CO.				
493	J. T. Keliher, Inc.	Open pit	Shale for fill & roadbuilding	796
494	Keystone Filler & Mfg. Co.	Plant	Rottenstone (Ab, F)	411
495	George E. Logue, Inc.	Open pit	Shale for fill & roadbuilding	797
496	Lycoming Silica Sand Co. Subs. of Koppers Co., Inc.	Lime Bluff quarry	Agricultural stone Carbonate aggregate (Ba, Ca, Dr, Rr, RR, Str)	173 264
497	do	Pine Creek quarry	do	173, 264
498	Lycoming Silica Sand Co. Subs. of Koppers Co., Inc.	Loyalsock pit	Sand & gravel (Cna, 5fo)	543
499	do	Montour pit & plant	do	543
500	do	Whitmoyer pit	do	543
MCKEAN CO.				
501	Emlenton Limestone Co., Inc.	Open pit	Sand & gravel	544
502	Frederick L. Gregory	Open pit	Flagstone	696
503	Hanley Company, Inc.	Lewis Run mine	Structural clay products (C8, FB)	107
504	Kane Stone Co.	Quarry	Crushed or broken stone (Rr, Ua)	657
505	O. L. Robinson Stone Co.	Quarry	Flagstone	697
NL	Shamrock Flagstone Co.	Two Mile Run quarry	Flagstone	698
MERCER CO.				
506	Atlas Sand & Gravel, Inc.	Open pit	Sand & gravel (Bp, Cna, Dr, Unf)	545
507	Big "B" Mining Co., Inc.	Open pit	Sand & gravel	546

<u>MAP NUMBER</u>	<u>PRODUCER OR OPERATOR</u>	<u>TYPE OR NAME OF OPERATION</u>	<u>PRODUCTS</u>	<u>REFERENCE NUMBER</u>
508	Greenville Materials, Inc.	Quarry	Crushed or broken stone	658
509	Hazen Sand & Gravel	Open pit	Sand & gravel (Cna, Unf)	547
510	do	Lackey pit	do	547
511	Roger L. Hoffman	Open pit	Sand & gravel	548
512	Rancher Development Corp.	Open pit	Sand & gravel	549
513	Risch Sand & Gravel	Risch pit	Sand & gravel	550
514	Seidle Sand & Gravel, Inc.	Miller pit	Sand & gravel (Bp, Cna, Dr, Unf)	551
515	do	Seidle pit	do	551
516	Taylor Sand & Gravel Co.	Big Bend pit & plant	Sand & gravel (Cna, Unf)	552
517	White Rock Silica Sand Co., Div. of McCrady, Inc.	Quarry	Crushed or broken stone	659

MIFFLIN CO.

518	Derry Limestone Co., Inc.	Lewistown quarry	Carbonate aggregate	265
519	Faylor-Middlecreek, Inc.	McVeytown quarry	Carbonate aggregate	266
520	do	Naginey quarry	do	266
521	do	Strodes Mills pit & plant	Sand (5c)	553
522	General Paving & Construction, Inc.	Belltown quarry	Carbonate aggregate	267
523	Honey Creek Lime Co.	Shrader quarry & plant	Lime	346

MONROE CO.

NL	Adelmann Contracting, Inc.	Open pit	Shale for fill & roadbuilding	798
524	Rudolph Orop	Open pit	Shale for fill & roadbuilding	799
525	Eastern Industries, Inc.	Kunkletown quarry	Sand & gravel (Bp, Cna, S)	554
526	do	do	Crushed & broken stone	660
527	Eureka Stone Quarry, Inc.	Saylorburg quarry	Shale for fill & roadbase	800
528	do	Saylorburg sand pit	Sand (5)	555
NL	H. Charles Hoffman	Open pit	Shale for fill & roadbuilding	801
529	Herbert R. Imbt, Inc.	Bossardville quarry & plant	Carbonate aggregate (Dr, 5tr)	268
530	Javelyn Mobil Mix, Inc.	Open pit	Sand & gravel (Cna)	556
531	do	Stroudsburg pit & plant	do	556
532	Darwin Keiper Excavating	Keiper pit	Sand & gravel	557
533	B. Gregory Krummel	Open pit	Shale for fill & roadbuilding	802
534	Lehigh Valley Sand & Gravel Co., Inc.	Brodheadsville pit	Sand & gravel (Cna, Unf)	558

COUNTY INDEX

121

<u>MAP NUMBER</u>	<u>PROOUCER OR OPERATOR</u>	<u>TYPE OR NAME OF OPERATION</u>	<u>PRODUCTS</u>	<u>REFERENCE NUMBER</u>
535	Locust Ridge Stone Co., Inc.	Quarry	Crushed or broken stone	661
536	John S. Michael III	Open pit	Shale for fill & roadbuilding	8D3
537	Pennsylvania Peat Moss, Inc.	Thornhurst bog	Peat	382
NL	Pocono Explosives	Open pit	Shale for fill & roadbuilding	8D4
538	Pocono Industries, Inc.	Lesoine pit	Sand & gravel	559
539	Pocono Transcrete, Inc.	Blakeslee pit	Sand & gravel	560
540	Universal Atlas Cement, Div. of U.S.Steel Corp.	Altemose pit	Clay for cement	42
541	do	Barlieb pit	do	42
MONTGOMERY CO.				
542	Burdo Bros.	Burdo quarry	Dimension stone (Iss)	24
NL	C-E Refractories	Located at Port Kennedy	Perlite (expanded)	387
NL	Chemalloy Company, Inc.	Located in Bryn Mawr	Iron oxide pigments	137
543	Clow Corporation	Open pit	Structural clay products	108
NL	Combustion Engineering, C. E. Minerals Division	Located in King of Prussia	Iron oxide pigments	138
544	G. & H. W. Corson, Inc.	Plymouth Meeting plant	Cement	33
545	do	Plymouth Meeting quarry	Agricultural stone Carbonate aggregate (Cna) Fluxstone Lime	174 269 33D 347
546	Gill Quarries, Inc.	East Norristown quarry & plant	Crushed & broken stone (8a, Ca, Dr)	19
547	do	Spring House quarry	do	19
548	Glasgow Quarry, Div. of Glasgow, Inc.	McCoy quarry	Agricultural stone Carbonate aggregate (8a, Ca, Dr) Fluxstone	175 270 331
549	R. K. Kibblehouse, Div. of Highway Materials, Inc.	Perkiomenville quarry	Crushed & broken stone (Ba, Rr, Ua)	132
550	M & M Stone Co.	Harleysville quarry	Crushed & broken stone (Ua)	20
551	A. Manero & Sons	Quarry	Crushed & broken stone (Cna)	21
552	Marcolina Bros., Inc.	Hillcrest quarry	Crushed & broken stone (R) Dimension stone (Oc, Rc)	367 369
553	Mignatti Construction Co., Inc.	Bethayres quarry	Crushed & broken stone (Ba, Dr, Ua)	128
554	National Gypsum Co., Allentown Cement Division	West Conshohocken quarry	Cement	34
555	Pottstown Trap Rock Quarries, Inc.	Sanatoga quarry	Crushed & broken stone	22

<u>MAP NUMBER</u>	<u>PRODUCER OR OPERATOR</u>	<u>TYPE OR NAME OF OPERATION</u>	<u>PRODUCTS</u>	<u>REFERENCE NUMBER</u>
556	Union Paving Co.	Montgomery quarry	Crushed & broken stone (8a, Or, Ma, Str)	23
MONTOUR CO.				
557	Lycoming Silica Sand Co., Subs. of Koppers Co., Inc.	Mausdale quarry	Agricultural stone Carbonate aggregate (Ba, Cna, Dr, Rr, Str)	176 271
558	do	Milton quarry	do	176, 271
NL	Montour Excavating	Open pit	Shale for fill & roadbuilding	805
559	Royer Lime Quarry	Quarry	Carbonate aggregate	272
NL	Foster G. Watson	Open pit	Shale for fill & roadbuilding	806
NORTHAMPTON CO.				
560	Alpha Portland Industries, Inc.	Martins Creek pit	Sand & gravel	561
561	Bethlehem Mines Corp.	Freemansburg quarry	Agricultural stone Carbonate aggregate (Rr) Stone sand	177 273 361
562	Floyd G. Brewer	Open pit	Shale for fill & roadbuilding	807
563	Henry Capozzolo & Sons	Quarry	Slate (Fg, Sfr)	887
564	Joseph Ciccone & Sons, Inc.	Quarry	Carbonate aggregate	274
565	Coplay Cement Mfg. Co.	Nazareth plant & quarry	Cement	35
NL	Reichard Coulston, Inc.		Iron oxide pigments	139
566	Anthony Dally & Sons, Inc.	American Bangor quarry	Slate (B, Bt, Fg, Sr, St)	888
567	do	Jackson Bangor quarry	do	888
568	do	Stephen Jackson quarry & mill	do	888
569	Diamond Slate Co., Inc.	Quarry	Slate (8, 8t, St)	889
570	Ooney Slate Co.	Quarry	Slate (8, 8t, St)	890
571	Emerald Slate Corp.	Quarry	Slate	891
572	Hercules Cement Co., Oiv. of Amcord, Inc.	Stockertown operation	Cement	36
573	Houdaille Construction Materials, Inc.	Portland plant & pit	Sand & gravel (Cna, Dr)	562
574	Keystone Portland Cement Co.	8ath operation	Cement	37
575	Lone Star Industries, Inc.	Nazareth operation	Cement	38
576	Martin-Marietta Cement	Quarry	Cement	39
577	Moore Trucking, Inc.	Open pit	Shale for fill & roadbuilding	808
578	National Portland Cement Co.	Brodhead plant	Cement	40
579	No.1 Contracting Co.	Nazareth quarry	Carbonate aggregate	275
580	North Bangor Slate Co.	Quarry	Slate (Fg, Ms, Rf)	892

MAP NUMBER	PRODUCER OR OPERATOR	TYPE OR NAME OF OPERATION	PRODUCTS	REFERENCE NUMBER
581	Penn Oixie Industries, Inc.	Plant #4 quarry	Cement	41
582	Penn-Jersey Paving Materials, Inc.	Open pit	Sand & gravel	563
NL	Pfizer, Inc.	Plant located in Easton	Iron oxide pigments	140
583	Steckel Concrete Co.	Martins Creek operation	Sand & gravel (Unf)	564
584	Stoddard Slate Co., Inc.	Albion quarry	Slate (8, 8t, Fg, Sfr, Sr, St)	893
585	The Trumbower Co., Inc.	Nazareth quarry	Carbonate aggregate	276
586	Universal Atlas Cement, Div. of U. S. Steel Corp.	Northampton quarry & plant	Cement	42

NORTHUMBERLAND CO.

587	J. O. Adams Construction	Open pit	Shale for fill & roadbuilding	809
588	Bear Gap Stone, Inc.	Bear Gap quarry & mill	Crushed or broken stone (Ca, Ma, Rr, Str, Ua)	881
589	Clair E. Brosious	Open pit	Shale for fill & roadbuilding	810
NL	Callenberger Construction	Open pit	Shale for fill & roadbuilding	811
590	Central Builders Supply Co.	Northumberland plant	Sand & gravel (Cna)	565
591	Mrs. Ray Crawford	Open pit	Shale for fill & roadbuilding	812
592	George Derk	Open pit	Shale for fill & roadbuilding	813
593	Gerald Elliott	Open pit	Shale for fill & roadbuilding	814
594	Kenneth E. Erb	Open pit	Shale for fill & roadbuilding	815
595	Fairchild Bros., Inc.	Open pit	Shale for fill & roadbuilding	816
596	Taylor-Middlecreek, Inc.	Shamokin quarry	Crushed or broken stone	662
597	Harold N. Foye	Open pit	Shale for fill & roadbuilding	817
598	Glen-Gery Corp.	Watsonstown operation	Structural clay products (F8)	109
599	Keystone Filler & Mfg. Co.	Sheddy mine	Rottenstone (Ab, F)	411
600	Robert W. Lawrence	Open pit	Shale for fill & roadbuilding	818
601	George M. Lenker	Open pit	Shale for fill & roadbuilding	819
602	Meckleys Limestone Products, Inc.	Quarry	Agricultural stone Carbonate aggregate (8a, Or, Ma, Str, Ua)	178 277
603	Middleport Materials, Inc.	Open pit	Shale for fill & roadbuilding	820
NL	Oomer J. Neidig	Open pit	Shale for fill & roadbuilding	821
604	Ponderosa Excavating, Inc.	Open pit	Shale for fill & roadbuilding	822
605	R. C. Stahlnecker	Open pit	Shale for fill & roadbuilding	823
606	Bowman J. Ulrich, Jr.	Open pit	Shale for fill & roadbuilding	824

MINERAL INDUSTRY DIRECTORY

<u>MAP NUMBER</u>	<u>PRODUCER OR OPERATOR</u>	<u>TYPE OR NAME OF OPERATION</u>	<u>PRODUCTS</u>	<u>REFERENCE NUMBER</u>
607	Walter Wagner Excavating	Open pit	Shale for fill & roadbuilding	825
608	Watsontown Brick Co.	Open pit	Structural clay products (FB)	110
609	Ralph E. Wert	Open pit	Shale for fill & roadbuilding	826
PERRY CO.				
610	H. T. Baughman Construction Co.	Open pit	Shale for fill & roadbuilding	827
611	Richard L. Bolze	Open pit	Crushed or broken stone (Rm)	882
612	Chester E. Bowser	Open pit	Shale for fill & roadbuilding	828
613	Russell J. Campbell	Open pit	Shale for fill & roadbuilding	829
614	Harry F. Fahnestock	Open pit	Crushed or broken stone (Rm)	883
615	Four Forty-One Corp.	Dromgold quarry	Carbonate aggregate	278
616	Four Forty-One Corp.	Newport quarry	Crushed & broken stone	663
617	Fultz Bros., Inc.	Open pit	Shale for fill & roadbuilding	830
618	Charles E. Groff	Open pit	Shale for fill & roadbuilding	831
619	Jeffries Trucking	Open pit	Shale for fill & roadbuilding	832
620	Kitner Bros.	Open pit #1	Shale for fill & roadbuilding	833
621	do	Open pit #2	do	833
622	do	Open pit #3	do	833
623	Harry B. Lesh	Open pit #1	Shale for fill & roadbuilding	834
624	do	Open pit #2	do	834
NL	Clyde E. Smith	Open pit	Shale for fill & roadbuilding	835
625	J. Harold Stydinger	Open pit	Crushed or broken stone (Rm)	884
626	G. R. Thebes	Open pits	Shale for fill & roadbuilding	836
627	do	Open pits	do	836
PHILADELPHIA CO.				
NL	Atlantic Richfield Co.	Philadelphia refinery	Sulfur	896
NL	A. P. Green Refractories Co.	Mullite plant - Philadelphia	Mullite (synthetic)	370
NL	Gulf Oil Co.	Philadelphia refinery	Sulfur	897
NL	U. S. Gypsum Co.	Philadelphia plant	Gypsum	131
NL	U. S. Gypsum Co.	Philadelphia plant	Perlite (expanded)	388
PIKE CO.				
628	Eureka Stone Quarry, Inc.	Milford operation	Crushed or broken stone (Us)	664
629	Holbert & Kuhn, Inc.	Open pit	Sand & gravel	566

<u>MAP NUMBER</u>	<u>PROOUCER OR OPERATOR</u>	<u>TYPE OR NAME OF OPERATION</u>	<u>PRODUCTS</u>	<u>REFERENCE NUMBER</u>
630	Ronald N. Jagger	Open pit	Shale for fill & roadbuilding	837
631	G. H. Litts & Sons, Inc.	Open pit	Shale for fill & roadbuilding	838
632	Lester Litts & Sons	Open pit	Shale for fill & roadbuilding	839
633	McKean & Son	Open pit	Sand & gravel	867
634	Catherine J. Olsammer	Open pit	Shale for fill & roadbuilding	840
635	Pike County Sand & Gravel Co.	Blooming Grove pit	Sand & gravel (8p, Cn, Dr)	868
636	Yvon Prevost	Open pit	Sand & gravel	869
NL	R. A. Schmidt	Open pit	Sand & gravel	870
637	Sunnylands, Inc.	Open pit	Sand & gravel	871
638	Valliant Enterprises	Mud Pond bog	Peat	383
NL	Edward Vanaria	Open pit	Shale for fill & roadbuilding	841
639	Weidner Concrete Co.	Myers pit	Sand & gravel	872
POTTER CO.				
640	Brown Excavating	Open pit #1	Sand & gravel	873
641	do	Open pit #2	do	873
NL	C & L Stone Co.	Potter quarry	Crushed or broken stone (R) Dimension stone Flagstone	665 682 699
642	H & N Affiliates, Inc.	Everly pit	Sand & gravel	874
643	Johnson Homes Sales & Service	Open pit	Sand & gravel	875
NL	O. L. Robinson Stone Co.	Quarry	Flagstone	700
644	Rummings Bluestone Co.	Coyle quarry	Flagstone	701
SCHUYLKILL CO.				
645	Huss Contracting Co.	Andreas quarry	Carbonate aggregate (Ca, Or, Ma)	279
646	Middleport Materials, Inc.	Quarry	Sand & gravel	876
647	Refractory Sand Co., Inc.	Andreas quarry	Sand & gravel (Bp, Sc)	877
648	Summit Quarries, Inc., Div. of J. Robert Bazley, Inc.	Quarry	Crushed or broken stone (Ba, Ca, Or, Ua)	885
SNYDER CO.				
649	Mahlon L. Boop	Open pit	Shale for fill & roadbuilding	842
NL	Melvin M. Cowen	Open pit	Shale for fill & roadbuilding	843
650	Glenn Dunkleberger	Open pit	Shale for fill & roadbuilding	844
651	Fremont Quarry, Inc.	Quarry	Carbonate aggregate	280
652	Bruce H. Garrison	Open pit	Shale for fill & roadbuilding	845
653	Carl E. Gemberling	Open pit	Shale for fill & roadbuilding	846

<u>MAP NUMBER</u>	<u>PRODUCER OR OPERATOR</u>	<u>TYPE OR NAME OF OPERATOR</u>	<u>PRODUCTS</u>	<u>REFERENCE NUMBER</u>
654	Hackenburg Construction, Inc.	Open pit	Shale for fill & roadbuilding	847
655	Marvin R. Haines	Open pit	Shale for fill & roadbuilding	848
656	M. J. Long	Open pit	Shale for fill & roadbuilding	849
NL	Carl A. Miller	Rhuls pit	Shale for fill & roadbuilding	850
657	National Limestone Quarry, Inc.	Quarry	Agricultural stone Carbonate aggregate (Cna, Dr, Str)	179 281
658	Harry L. Wagner	Open pit	Shale for fill & roadbuilding	851
659	Jacob P. Zeckman	Open pit	Shale for fill & roadbuilding	852
SOMERSET CO.				
660	Bognar & Co., Inc.	Somerset plant	Refractories	80
661	C. Brant Mining Co.	Open pit	Refractories	81
662	General Refractories Co.	Fort Hill mine	Refractories	82
NL	Harbison-Walker Refractories Co., Div. of Dresser Industries, Inc.	Garrett operation	Refractories	83
NL	Richard H. Jones	Open pit	Shale for fill & roadbuilding	853
663	Keystone Lime Co.	Galley farm quarry	Agricultural stone Carbonate aggregate (Ba, Dr, Str)	180 282
664	New Enterprise Stone & Lime Co., Inc.	Central City quarry	Crushed & broken stone	666
665	de	Bakersville quarry	Carbonate aggregate (8a, Ca, Dr, Ma, Rr, RR, Str) Filter stone	283 318
666	Otto Brick & Tile Works, Inc.	Open pit	Structural clay products (C8, FB)	111
667	Rodame Concrete Products	Open pit	Sand & gravel (Bp, Cna)	578
SULLIVAN CO.				
668	Dale Bedford	Open pit	Shale for fill & roadbuilding	854
SUSQUEHANNA CO.				
669	David L. Antoine	Quarry	Flagstone	702
670	Ashcraft Excavating Co., Inc.	Quarry	Dimension stone	683
NL	Carlton Birchard	Quarry	Dimension stone (Ra, Rc) Flagstone	684 703
671	4-D Quarries	Quarry	Crushed or broken stone	667
672	Everett Freeman	Quarry	Flagstone	704
NL	John Guiton	Quarry	Flagstone	705

COUNTY INDEX

127

MAP NUMBER	PRODUCER OR OPERATOR	TYPE OR NAME OF OPERATION	PRODUCTS	REFERENCE NUMBER
NL	H. Harvey & Sons	Springville quarry	Dimension stone (Cs, Hs) Flagstone	685 706
673	Kirk S. Hinkley, Sr.	Long pit	Sand & gravel	579
674	Kellor Supply Co.	Bennett quarry	Crushed or broken stone (Ba, Ca, Or, Ma)	66B
675	Tilton Mitchell Stone Co., Inc.	Mitchell quarry	Dimension stone (Hs) Flagstone	686 707
676	Charles Morrison	Morrison quarry	Flagstone	708
677	New Milford Sand & Gravel	Grover pit	Sand & gravel	580
678	Alfio Paolucci	Open pit	Sand & gravel	581
679	Pavalone & Sons	Quarry	Flagstone	709
680	Pennsylvania Bluestone Co.	Quarry	Flagstone	710
NL	Ernest Pierson	Quarry	Flagstone	711
NL	Powers & Powers	Quarry	Flagstone	712
681	Donald Rood	Quarry	Flagstone	713
NL	Randall Sechrist	Quarry	Dimension stone (Ra, Rc) Flagstone	687 714
682	State Aggregates, Inc.	Plant #3 (Montrose)	Crushed & broken stone (Ba, Rr, Ua)	669
683	do	Royal plant	do	669
684	Lee A. Wilbur & Son	Quarry	Crushed or broken stone (R, Rr) Dimension Stone (Rc) Flagstone	670 688 715
685	Russell Winne	Quarry	Flagstone	716
TIoga CO.				
686	Earl F. Oean, Inc.	Asonia pit	Sand & gravel	582
687	do	Carpenters pit	do	582
688	Dixon Sand & Gravel	Open pit	Sand & gravel	583
689	4-0 Quarries	Quarry	Crushed or broken stone (Rr)	671
690	Fred M. Gee Sand & Gravel	Niles Valley pit	Sand & gravel (Bp, Cna, Rm, Sfo)	584
691	H & N Affiliates, Inc.	Roy B. quarry	Crushed or broken stone	672
692	Kenneth Heysham	Open pit	Sand & gravel	585
693	Martin Construction Co.	Barnes pit	Sand & gravel	586
694	do	Bradshaw pit	do	586
695	do	Daggett pit #1	do	586
696	Edwin C. Wagner	Quarry	Flagstone	717

<u>MAP NUMBER</u>	<u>PRODUCER OR OPERATOR</u>	<u>TYPE OR NAME OF OPERATION</u>	<u>PRODUCTS</u>	<u>REFERENCE NUMBER</u>
UNION CO.				
697	Robert B. Bigler	Open pit	Shale for fill & roadbuilding	855
698	Martha J. Boop	Open pit	Shale for fill & roadbuilding	856
699	Olan Boop	Open pit #1	Shale for fill & roadbuilding	857
700	do	Open pit #2	do	857
701	Charles H. Buttorff	Open pit	Shale for fill & roadbuilding	858
702	Faylor-Middlecreek, Inc.	Lewisburg quarry	Carbonate aggregate (Ba, Dr, Ua)	284
703	do	Winfield quarry	do	284
704	Glen-Gery Corp.	Watsonstown-White Deer	Structural clay products	112
705	Harold Hollenbach	Open pit	Shale for fill & roadbuilding	859
706	John L. Iddings	Quarry	Carbonate aggregate (Or, Ua)	285
707	Eugene Kahley	Open pit	Shale for fill & roadbuilding	860
708	Ernest A. Lenig	Open pit	Shale for fill & roadbuilding	861
709	Milton Construction Co.	Open pit	Shale for fill & roadbuilding	862
VENANGO CO.				
710	Emlenton Limestone Co., Inc.	Burkhardt operation	Sand & gravel	587
711	Franklin Gravel Co.	Lepley pit	Sand & gravel	588
712	Glenn R. Hall	Open pit	Sand & gravel	589
713	Mahoning Valley Sand Co.	Open pit	Sand & gravel	590
714	Oil City Sand & Gravel Co.	Two-Mile dredge	Sand & gravel (Bp, Cna)	593
715	Pennsylvania Glass Sand Corp.	Utica quarries	Sand & gravel (S, Sf, Sfl, Sfo)	591
716	Lewis Phillips Sand & Gravel	Patchel Run operation	Sand & gravel	592
717	Tionesta Sand & Gravel, Inc.	Tionesta No.3 pit	Sand & gravel (Cna, Or)	594
718	Vincent Excavating & Gravel	Franklin operation	Sand & gravel (Cna, Or, Unf)	595
719	White City Sand & Gravel Co.	White City pit	Sand & gravel (Cna, Dr, Unf)	596
WARREN CO.				
720	Brokenstraw Gravel, Inc.	Pit & plant #1	Sand & gravel (Cna, Dr)	597
721	Ben Courson	Open pit	Sand & gravel	598
722	Emlenton Limestone Co., Inc.	Pittsfield operation	Sand & gravel (Cna, Unf)	599
723	General Concrete Products Corp.	Youngsville operation	Sand & gravel (Bp, Cna, Dr)	600

<u>MAP NUMBER</u>	<u>PRODUCER OR OPERATOR</u>	<u>TYPE OR NAME OF OPERATION</u>	<u>PRODUCTS</u>	<u>REFERENCE NUMBER</u>
NL	Nelson & Ellberg	Open pit	Sand & gravel (Cna, Unf)	601
724	The Shermac Co.	Shermac Mine #1	Sand & gravel (Bp, Cna, Dr, Unf)	6D2
725	Tionesta Sand & Gravel, Inc.	Garland No.2	Sand & gravel (Cna, Dr)	6D3
726	Warren County Solid Waste Authority	Open pit	Sand & gravel	604
727	Warren Sand & Gravel Co.	Oredge	Sand & gravel (Bp, Cna)	605
728	Yeagle Excavating	Glade Run pit	Sand & gravel	606
729	Michael Zurkan, Jr.	Open pit	Sand & gravel	607
WASHINGTON CO.				
730	Donley Brick Co.	Quarry	Structural clay products (CB)	113
NL	Freeport Brick Co. Free-Lite Division	Free-Lite plant	Lightweight aggregate (SFA)	141A
731	Washington Stone Co., Inc.	Vance plant	Carbonate aggregate	286
WAYNE CO.				
732	J. Aleckna Construction, Inc.	Open pit	Sand & gravel	608
733	Charles H. Blackmore	Open pit	Shale for fill & roadbuilding	863
NL	Walter C. Blum	Blum quarry	Crushed or broken stone (R) Dimension stone (Rc) Flagstone	673 689 718
734	Bonham's General Contracting	Nosal pit	Sand & gravel	609
735	Joseph Ciccone	Open pit	Shale for fill & roadbuilding	864
736	Gerald H. Cousins	Open pit	Shale for fill & roadbuilding	865
NL	Delaware Excavating, Inc.	Open pit	Shale for fill & roadbuilding	866
737	Dexter Construction Co.	Open pit	Shale for fill & roadbuilding	867
738	Oyberry Sand & Gravel Co., Inc.	Oyberry pit	Sand & gravel	610
739	Edwards Sand & Stone	Edwards pit	Sand & gravel (Cna, Dr, Unf)	611
740	Otto Eime	Open pit	Sand & gravel	612
741	Eureka Stone Quarry, Inc.	Sterling quarry	Crushed or broken stone	674
742	Joe Fobes	Open pit	Shale for fill & roadbuilding	868
743	Maurice Haag	Open pit	Sand & gravel	613
744	Wayne Harrison	Open pit	Shale for fill & roadbuilding	869
745	Ernest Hemmler	Open pit	Sand & gravel	614
746	John G. Hutchinson	Open pit	Shale for fill & roadbuilding	870
747	Indian Orchard Gravel	Open pit	Sand & gravel	615

MAP NUMBER	PROOUCER OR OPERATOR	TYPE OR NAME OF OPERATION	PRODUCTS	REFERENCE NUMBER
748	Indian Orchard Gravel	Open pit	Shale for fill & roadbuilding	871
749	Raymond J. Keryon	Quarry	Flagstone	719
750	Raymond J. Keryon	Open pit	Shale for fill & roadbuilding	872
751	Keystone Pavement Construction Co.	Catterson pit	Sand & gravel (Bp, Cna, Dr)	616
752	do	Palko pit	do	616
753	do	Weidner pit	do	616
754	Phyllis & Lawrence Newport	Open pit	Shale for fill & roadbuilding	873
755	Joseph E. Nosek	Open pit	Sand & gravel	617
756	Ronald Poska	Open pit	Shale for fill & roadbuilding	874
757	Philip Pruss	Open pit	Sand & gravel	618
758	Bill Pykus Excavating	Open pit	Shale for fill & roadbuilding	875
NL	William K. Spry	Open pit	Shale for fill & roadbuilding	876
759	Stanton Corners Excavating	Open pit	Shale for fill & roadbuilding	877
760	Merel Swingle	Open pit	Sand & gravel	619
761	Wayne Swingle	Open pit	Shale for fill & roadbuilding	878
762	Swingle & Watson Excavating	Open pit	Sand & gravel	620
NL	Tompkins P. Estate	Quarry	Crushed or broken stone (R) Dimension stone (Cb, Cs, Hs) Flagstone	675 690 720
NL	Barry Watson	Open pit	Shale for fill & roadbuilding	879
763	Wayne Crushed Stone, Inc.	Lake Ariel quarry	Crushed & broken stone (Ba, Ca, Or)	676
764	Weidner Concrete Co.	Smith pit	Sand & gravel (Unf)	621
765	George F. Whitlock	Quarry	Flagstone	721
766	Donald & Harold Wood	Open pit	Sand & gravel (Gr)	622
767	do	Open pit	Shale for fill & roadbuilding	880

WESTMORELAND CO.

768	Commercial Stone Co., Inc.	Belle Vernon mine	Carbonate aggregate (Dr, Rr, Ua)	287
769	Davison Sand & Gravel Co.	Oredge	Sand & gravel (Bp, Cna)	623
NL	Durasteel Abrasive Co.	Pittsburgh plant	Abrasives (metallic)	6
770	Eidemiller Enterprises, Inc.	Baggaley plant	Carbonate aggregate (Ca, Or, Ma)	288
771	do	Whitney quarry	do	288
772	M. Carl Hoover	Hoover quarry	Crushed or broken stone (Dr, Fa, Fs, Ua)	677

<u>MAP NUMBER</u>	<u>PRODUCER OR OPERATOR</u>	<u>TYPE OR NAME OF OPERATION</u>	<u>PRODUCTS</u>	<u>REFERENCE NUMBER</u>
773	Paul W. Kendi & Sons, Inc.	Quarry	Carbonate aggregate	289
774	Latrobe Construction Co.	Longbridge mine	Carbonate aggregate (Ba, Ca, Dr, Rr, Ua)	290
775	Penn Aggregates	Laspina quarry	Carbonate aggregate (Dr, Ma)	291
776	Sardis Stone Co., Inc.	Quarry	Crushed or broken stone (FD)	678
777	Warner Co.	Torrance quarry	Carbonate aggregate (Cna, Rm, RR)	292
WYOMING CO.				
778	American Asphalt Paving Co.	East Fall pit	Sand & gravel	624
NL	Ernest Clapper	Quarry	Dimension stone (Ra, Rc) Flagstone	691 722
779	Eugene Decker	Open pit	Sand & gravel	625
NL	Willard Docktor	Quarry	Dimension stone (Ra, Rc) Flagstone	692 723
780	East Lemon Sand & Gravel Co., Inc.	East Lemon pit	Sand & gravel	626
781	Jacoby & Palumbo	Open pit	Sand & gravel (S)	627
NL	Edmund Witkowski	Quarry	Dimension stone (Ra, Rc) Flagstone	693 724
782	Wyoming Sand & Gravel Co.	Kapolka pit	Sand & gravel	628
783	do	Robinson pit	do	628
784	do	South Eaton pit	do	628
YORK CO.				
785	The J. E. Baker Co.	York quarry	Agricultural stone Carbonate aggregate Fluxstone Lime Refractory dolomite	181 293 332 348 353
786	Codorus Stone & Supply, Inc.	Emigsville quarry	Carbonate aggregate	294
787	Glen-Gery Corp.	York-Dover	Structural clay products (FB)	114
788	do	York-York	do	114
789	Gold Bond Building Products Div. of National Gypsum Co.	York quarry	Agricultural stone Carbonate aggregate (Ab, Dr) Filler (A, Wh)	182 295 313
790	do	York-Salem mine	do	182, 295, 313
791	Klines Quarry, Inc.	Wrightsville quarry	Carbonate aggregate (Ca, Ma, Str, Ua)	296
792	do	do	Crushed & broken stone	399
793	Medusa Cement Co.	York plant	Cement	43
794	do	York quarry	Carbonate for cement	43

MINERAL INDUSTRY DIRECTORY

<u>MAP NUMBER</u>	<u>PRODUCER OR OPERATOR</u>	<u>TYPE OR NAME OF OPERATION</u>	<u>PRODUCTS</u>	<u>REFERENCE NUMBER</u>
795	Pennsy Supply, Inc.	York Haven pit	Sand & gravel (Cn, Unf)	629
NL	Pennsylvania Perlite Corp. of York, Pa.	York operation	Perlite (expanded)	389
796	Standard Concrete Products Co., Inc.	Concordus quarry	Carbonate aggregate	297
797	Thomasville Stone & Lime Co.	Thomasville operation	Agricultural stone Carbonate aggregate Carbonate for cement Filler Fluxstone Carbonate for glass Mineral foods	183 298 308 314 333 336 349
798	White Pigment Corp.	West York quarry	Carbonate filler Carbonate for paper manufacture	315 350
799	York Building Products Co., Inc.	Thomasville quarry	Carbonate aggregate (Ba, Ca, Ma, Str, Ua)	299
800	York Stone & Supply Co	York quarry	Agricultural limestone Carbonate aggregate (Ba, Ca, Or, Fa, Ma, Str, Rr)	184 300
801	do	Silica rock quarry	Crushed & broken stone	400

PART 3 COMPANY REFERENCE INDEX

PRODUCER OR PROCESSOR

REFERENCE NO.

AH-RS Coal Corp.	215
Abrasives Metals Co.	2
Adams, J. D., Construction	809
Adelmann Contracting, Inc.	798
Adonizio Bros. Inc.	653
Airport Sand & Gravel Co., Inc.	530
Aleckna, J., Construction, Inc.	608
Alexandria Fire Clay, Division of Resco Products, Inc.	78
Allegheny Minerals Corp.	149, 158,
	202, 216, 321, 355
Allegheny Sand, Inc.	416
Alliance Sand Co., Division of Martin Marietta Corp. ...	449
Alpha Portland Industries, Inc., Alpha Portland Cement Co.	561
Alwine Brick Co.	85
Ambrosia Coal & Construction Co.	515
Amcord, Inc.	36
American Asphalt Paving Co.	506,
	624, 654
American Metallurgical Products Co., Inc.	407
American Olean Tile Co.	93
Andrews, Donald	507
Annandale Sandstone Co., Division of North Star Coal Co.	635, 680
Antoine, David L.	702
Arendash, Joseph R.	475
Armstrong Cork Co.	385
Ashcraft Excavating Co., Inc.	683
Atglen Quarries, Inc.	124, 129
Atlantic Richfield Co.	896
Atlas Sand & Gravel, Inc.	454, 545
Austin, J. P., Associates, Inc.	898
Avon Grove Quarry	401
B & L Paving Co., Inc.	516
B. P. Oil, Inc., Subsidiary of Standard Oil Co. Ohio	895
Baker, J. E., Co., The	181, 293,
	332, 348, 353
Barletta, A., and Sons	531
Baughman, H. T., Construction Co.	827
Baumann-Deweese	790
Bear Gap Stone, Inc.	881
Beaver Alkali Products	134

PRODUCER OR PROCESSOR

REFERENCE NO.

Bedford County Stone & Lime Co.	301
Bedford, Dale	854
Bender, R & A, Inc.	754
Bender, R. A., and Son	394
Benjamin, Nathan	428
Benton Peat Products	371
Berks Products Corp.	191
Berks Silica Sand Corp.	425
Bessemer Cement Co., Division of Louisville Cement Co.	29
Bethlehem Mines Corp.	142, 177, 185,
	258, 273, 305, 309, 319,
	328, 337, 345, 361, 364
Better Materials Corp.	8
Biddle, George R.	517
Big "B" Mining Co., Inc.	546
Bigler, Robert B.	855
Binkley & Ober, Inc.	243
Birchard, Carlton	684, 703
Bituminous Service Corp.	200
Black Hawk Limestone, Inc.	205
Blackmore, Charles H.	863
Blooming Glen Quarry	9
Bloomsburg Sand & Gravel	453
Blue Ball Stone Co., Inc., The	244
Blue Mountain Building Co.	406
Blue Ridge Industries, Inc.	377
Blum, Walter C.	673, 689, 718
Bobali Corporation	222, 629
Bognar and Company, Inc.	80
Bolze, Richard L.	882
Bonham's General Contracting	609
Boop, Mahlon L.	842
Boop, Martha J.	856
Boop, Olan	857
Bowerman, R. L.	645, 755
Bowser, Chester E.	828
Boyd, D. M., Co.	376
Brady's Bend Corp.	143, 187, 320
Brake, Charles E., Co., Inc.	756
Brant, C., Mining Co.	81
Breneman, E. J., Inc.	192
Brenner, J. M., Co.	245
Brewer, Floyd G.	807
Bricker, Paul M.	757
Brockway Clay Co.	79, 100
Brokenstraw Gravel, Inc.	597
Brosious, Clair E.	810

PRODUCER OR PROCESSOR	REFERENCE NO.	PRODUCER OR PROCESSOR	REFERENCE NO.
Brown Excavating	573	Cooper Bros., Inc.	442, 445, 518
Bucks County Crushed Stone, Inc.	10	Cooper, H. W.	443
Burdo Brothers	24	Cooper, H. W., & Sons, Inc.	519
Burket, Russell C.	729	Coopersburg Granite Co.	121
Burkholdei, David M., Inc.	166, 246	Coplay Cement Manufacturing Co. .	31, 35
Burrell Construction & Supply Co.	414	Copperweld Corp.,	
Buttorff, Charles H.	858	Copperweld Bimetallics Division	3
Bylite Corp.	141	Corry Peat Products Co.	372
 		Corson, G. & W. H., Inc.	11, 33,
C-E Refractories	387	171, 174, 259, 269, 306, 329, 330, 347	
C & L Stone Co.	665, 682, 699	Coulston, Reichard, Inc.	139
Calcite Quarry, Inc., Subsidiary of G. & W. H. Corson, Inc. 171, 259, 306, 329		Courson, Ben	598
Callenberger Construction	811	Cousins, Gerald H.	865
Campbell, Harry T., Sons Co. ... 115A, 186		Cowan, Melvin M.	843
Campbell, James E.	758	Crawford, Mrs. Ray	812
Campbell, Russell J.	829	Crescent Brick Co., Inc.	61
Capozzolo, Henry, & Sons	887	Cresson Mobile Home Park, Inc.	733
Carborundum Co., The	5	Crider, Lester G.	761
Carlisle Clay, Inc. Division of Medusa Portland Cement Co.	47	Crosscut, Ronald L.	478
Central Builders Supply Co.	565	Crouse Bros.	762
Chamberlin, Jay E.	759	 	
Chemalloy Company, Inc.	137	Dally, Anthony, & Sons, Inc.	888
Chilewski, Robert T.	791	Dane, Russell	430
Chilewski, Thomas, Jr.	694	Danforth and Wood	456
Chimney Rocks Lime & Stone Co.	196	Darlington Brick & Clay Products Co., Subsidiary of General Dynamics Corp.	90
Ciccone, Joseph	864	Darlington Ready Mix Co.	421
Ciccone, Joseph, & Sons, Inc.	274	Davison Sand & Gravel Co.	417, 623
Clan Building Stone Corp.	402	Dean, Earl F., Inc.	582
Clapper, Ernest	691, 722	Decker, A. L.	763
Clapsaddle, Wilson C.	412	Decker, Eugene	625
Clark Construction Supply Co., Inc. ... 476		Delaware Excavating, Inc.	866
Clark, Ronald L.	760	Delaware Valley Landscape Stone, Inc. .	679
Clearfield Clay Products, Division of Crescent Brick Company, Inc.	61	DePola, Joseph	520
Clearfield Crushed Cinder Co., Inc.	447	Derk, George	813
Clow Corporation	91, 108	Derry Limestone Co., Inc.	265
Codorus Stone & Supply, Inc.	294	Devault Stone Co.	125
Colarusso	532	Dexter Construction Co.	867
Colonial Clay Products Co.	89	Diamond Slate Co., Inc.	889
Combustion Engineering	138	Dice, Frank J.	764
Commercial Stone Co., Inc.	231, 287	DiEgidio, Joseph	123
Compass Quarries, Inc.	167, 247	Dixon Sand & Gravel	583
Conn, Albert R.	477	Docktor, Willard	692, 723
Conneaut Lake Sand & Gravel, Inc.	455	Doney Slate Co.	890
Continental Clay Products	52, 87	Donley Brick Co.	113
Cook, Ralph M.	429	Dowler, Harold E.	479
Coolbaugh Sand & Stone Co., Inc.	655	Dravo Corporation, Keystone Division	422
		Dresser Industries, Inc.	59, 63,
		74, 76, 83, 96, 397	

PRODUCER OR PROCESSOR	REFERENCE NO.	PRODUCER OR PROCESSOR	REFERENCE NO.
Drexel Industries Corp.	53	Fenati Brick Co., Inc.	103
Drexel Refractories, Division of Drexel Industries Corp.	53	Fink and Stackhouse, Inc.	46
Drop, Rudolph	799	Fishing Creek Construction Co., Inc.	642
Dunkelberger, Glenn	844	Fleck Coal Co.	630
Dunn, W. L., Construction Co.	457	Flintkote Co., The	115A, 186
Durasteel Abrasive Co.	6	Fobes, Charles O., Jr.	522
Durnam and Good	437	Fobes, Joe	868
Dyberry Sand & Gravel Co., Inc.	610	Foote Mineral Co.	136, 408
Dyer, John T., Quarry Co., The	116	Four Forty-One Corporation	278, 663
East Lemon Sand & Gravel Co., Inc.	626	Foust, Virgil J.	459
Eastern Industries, Inc.	146, 193, 261, 302, 554, 660	Foye, Harold N.	817
Edinboro Gravel Co.	480	Franklin Gravel Co.	588
Edison Quarry	12	Frankstown Sand Supply	427
Edlu Corp.	395, 739	Frazier, Gilbert	734
Edwards, Barry	533	Freeman, Everett	704
Edwards Sand & Stone	611	Freeport Brick Co.	51, 54, 141A
Eichner, D. Ross	728	Fremont Quarry, Inc.	280
Eidemiller, Adam, Inc.	232	Frey, Jack G.	740
Eidemiller Enterprises, Inc.	288, 788	Fultz Bros., Inc.	830
Eime, Otto	612	GAF Corporation	122
Eldorado Stone Co.	197	Gabel, Charles G., Inc.	390
Elliott, Gerald	814	Ganzer Sand & Gravel	484
Ellwood Stone Co.	521, 632, 652	Garfield Refractories Co.	57
Eltra Corp.	66, 398, 639	Garrison, Bruce H.	845
Emerald Slate Corporation	891	Gee, Fred M., Sand & Gravel	584
Emlenton Limestone Co., Inc.	217, 418, 444, 458, 544, 587, 599	Gemberling, Carl E.	846
Empire Excavating Co.	508	General Concrete Products Corp.	600
Erb, Kenneth E.	815	General Crushed Stone Co., The	117, 118, 127, 212, 656
Erie Aggregates, Division of Dunbar Slag Co., Inc.	481	General Dynamics Corp.	90, 154, 209, 303, 323, 341, 358
Erie Sand & Gravel Co.	482	General Paving & Construction, Inc.	267
Erie Sand Steamship Co.	483	General Refractories Co.	58, 82
Eshleman, J. Miller, & Son, Inc.	248	Gerhart Road Materials, Inc.	513
Eureka Stone Quarry, Inc.	13, 555, 648, 664, 674, 800	Gill Quarries, Inc.	19
Evock, Peter M.	73	Glacial Sand & Gravel Co.	419, 452
4-D Quarries	667, 671	Glasgow, Inc.	175, 270, 331
Fahnestock, Harry F.	883	Glasgow Quarry, Division of Glasgow, Inc.	175, 270, 331
Fairchild Brothers, Inc.	816	Glen-Gery Corporation	85, 92, 109, 112, 114
Falsey, Donald E.	731	Glenn, David P.	646
Fayetteville Contractors, Inc.	765	Glover, Leroy R.	460
Faylor-Middlecreek, Inc.	219, 266, 284, 553, 643, 662	Godino, Joseph	649
Fehlingers Peat Moss	378	Gold Bond Building Products, Division of National Gypsum Company	153, 182, 208, 295, 310, 313, 322, 334, 340, 356
Feight Brothers	633	Goodhart, C. & L., Sand & Gravel, Division of Rimac, Inc.	396

PRODUCER OR PROCESSOR	REFERENCE NO.	PRODUCER OR PROCESSOR	REFERENCE NO.
Gouldsboro-Wayne Peat Humus and Hardwood Mulch Co.	373	Hess, Ronald D.	769
Grab, Joseph M.	509, 534	Heysham, Kenneth	585
Grace, W. R., & Co., Zonolite Division	900	Highway Materials, Inc.	132
Grannas Bros. Stone & Asphalt Co., Inc.	198	Highway Sand & Gravel Co., c/o Cooper Bros., Inc.	445
Green, A. P., Refractories Co.	60, 62, 370	Hinkley, Kirk S., Sr.	579
Greenville Materials, Inc.	658	Hock, Ryland L.	736
Gregory, Frederick L.	696	Hoffman, H. Charles	801
Gring, John A. and Ralph D.	391	Hoffman, Roger L.	548
Groff, Charles E.	831	Holbert & Kuhn, Inc.	566
Grubbs, Elwood or Elaine	485	Hollenbach, Harold	859
Guilford Twp. Supervisors	766	Hollis, John W.	487
Guiton, John	705	Honey Creek Lime Co.	346
Gulf Oil Company, U. S., Philadelphia Petrochemical Division	897	Hoover, M. Carl	677
Gulf & Western Industries, Inc.	172, 312, 362, 365	Hoover Sand & Gravel	489
H & K Materials Co., Inc.	14	Hopewell Twp.	743
H & N Affiliates, Inc.	474, 574, 672	Houdaille Construction Materials, Inc.	562
Haag, Maurice	613	Houser, Harry C.	488
Hackenberry, Jack H.	741	Hudson, Harry	464
Hackenburg Construction, Inc.	847	Huffman Brothers	431
Haines, Marvin R.	848	Hunlock Sand & Gravel Co.	536
Hall, Glenn R.	589	Huss Contracting Co.	279, 638
Hall, Marvin L.	461	Hutchinson, John G.	870
Hamilton, Harold L.	742	Hyzer & Lewellen	899
Hamilton, James F.	523	Iddings, John L.	285
Hamner, Lee R.	767	Imbt, Herbert R., Inc.	206, 268
Hanley Co., Inc.	101, 107	Indian Orchard Gravel	615, 871
Happy Homes Enterprises, Inc.	486	Industeel Corp.	4
Harbison-Walker Refractories, Division of Dresser Industries, Inc.	59, 63, 74, 76, 83, 96, 397	International Peat, Inc.	379
Harrison, Wayne	869	Jackson Crushed Stone, Inc.	650
Hartman, J. L.	393	Jacoby & Palumbo	627
Harvey, H., & Sons	685, 706	Jagger, Ronald N.	837
Hasbrouck Sand & Gravel, Inc.	462	Javelyn Mobil Mix, Inc.	556
Hazen Sand & Gravel	547	Jeffries Trucking	832
Hazleton Brick Co.	106	Johnson, A. C.	770
Hemmler, Ernest	614	Johnson Homes Sales & Service	575
Hempt Bros., Inc.	223, 228, 472	Johnston Brothers Construction Co.	771
Hercules Cement Co., Division of Amcord, Inc.	36	Jones, Jay L.	772
Herrington, Robert C.	463	Jones, Richard H.	853
Hess, E. Paul	768	Juniata Limestone Co.	165, 242
Hess, J. A. & W. A., Inc.	535	K & H Company	64
		Kahley, Eugene	860
		Kaiser Aluminum & Chemical Corp.	77
		Kaiser Refractories, Division of Kaiser Aluminum & Chemical Corp.	657
		Keelor Supply Co.	668
		Keiper, Darwin, Excavating	557

PRODUCER OR PROCESSOR	REFERENCE NO.	PRODUCER OR PROCESSOR	REFERENCE NO.
Keliher, J. T., Inc.	796	Lone Star Industries, Inc., Mid Atlantic Division	38
Kendi, Paul W., & Sons, Inc.	289	Long, M. J.	849
Kern, Roy J.	262	Louisville Cement Co.	29
Kershner, Chas. W., Jr., & Son	773	Lurgan Township Supervisors	774
Keryon, Raymond J.	719, 872	Lycoming Silica Sand Co., Subsidiary of Koppers Co., Inc.	173, 176, 220, 221, 264, 271, 543
Kessler, Warren	737	Lyon & Morgan	433
Keystone Filler & Mfg. Co.	411	M & M Stone Co.	15, 20
Keystone Lime Co.	180, 282	Mahoning Valley Sand Co.	524, 590
Keystone Pavement Construction Co.	510, 616	Manero, A., & Sons	21
Keystone Portland Cement Co.	37	Manor Minerals, Inc.	144, 188, 218
Keystone Quarry Co.	194	Manorville Sand Co.	420
Keystone Trappe Rock, Inc.	126, 130	Marblehead Lime Co., Division of General Dynamics	154, 209, 303, 323, 341, 358
Kibblehouse, R. K., Division of Highway Materials, Inc.	132	Marcolina Bros., Inc.	367, 369
Kitner Bros.	833	Marion Brick Corp.	98
Klines Quarry, Inc.	296, 399	Markle Bullers Coal Co.	789
Koppers Co., Inc.	173, 176, 220, 221, 264, 271, 543	Marquette Cement Mfg. Co.	25
Kough, E. E., Sons	744	Martin Construction Co.	586
Krummel, B. Gregory	802	Martin, David H.	775
Kuntz, Jack, Sand & Gravel	501	Martin, Ebbert S.	776
Kurtz, A. G., & Sons, Inc.	249	Martin Limestone, Inc.	168, 251
Kurtz Materials Co.	250, 304, 327	Martin Marietta Cement, Eastern Division	39
Lake Benton Peat Moss Co., Inc.	374	Martin-Marietta Corp., Martin Marietta Aggregates	156, 210, 213, 233, 325, 351, 359, 360
Lamphere, James A.	432	Martin Stone Quarries, Inc.	392
Lancaster Brick Co.	102	Matisko, John	511
Lancaster Lime & Stone Corp., Division of Kurtz Materials Co.	250, 304, 327	Mayberry, William H.	525
Lansberry Coal & Excavating Co.	65, 97	Maybro Asphalt Co.	490
Latrobe Construction Co.	290	Mayer Brothers Construction Co.	491
Laurel Mountain Stone Corp.	651	McAvoy Vitrified Brick Co.	95
Lawrence, Robert W.	818	McCormick Materials	492
Lehigh Stone Co., Subsidiary of Medusa Corp.	263, 307	McCrady, Inc.	415, 659
Lehigh Valley Sand & Gravel Co., Inc.	558	McCulloh, Robert D.	777
Lenig, Ernest A.	861	McKean and Son	567
Lenker, George M.	819	McQuiston Coal Co.	104
Lesh, Harry B.	834	McShane Industries, Inc.	631
Lewis, A. L., Inc.	438	Meadville Redi-Mix Concrete, Inc.	465
Lingenfelter, Charles L.	730	Meckleys Limestone Products, Inc.	178, 277
Litts, G. H., & Son, Inc.	838	Media Quarry Co.	368
Litts, Lester, and Sons	839	Medusa Cement Co., Division of Medusa Corp.	30, 43
Locust Point Quarries, Inc.	159, 224	Medusa Corp.	30, 43, 263, 307
Locust Ridge Stone Co., Inc.	661	Mellot, H. B., Estate, Inc.	162, 236, 504
Logan Clay Products Co., The, Division of Worthington Ceramics	55, 88		
Logue, George E., Inc.	797		

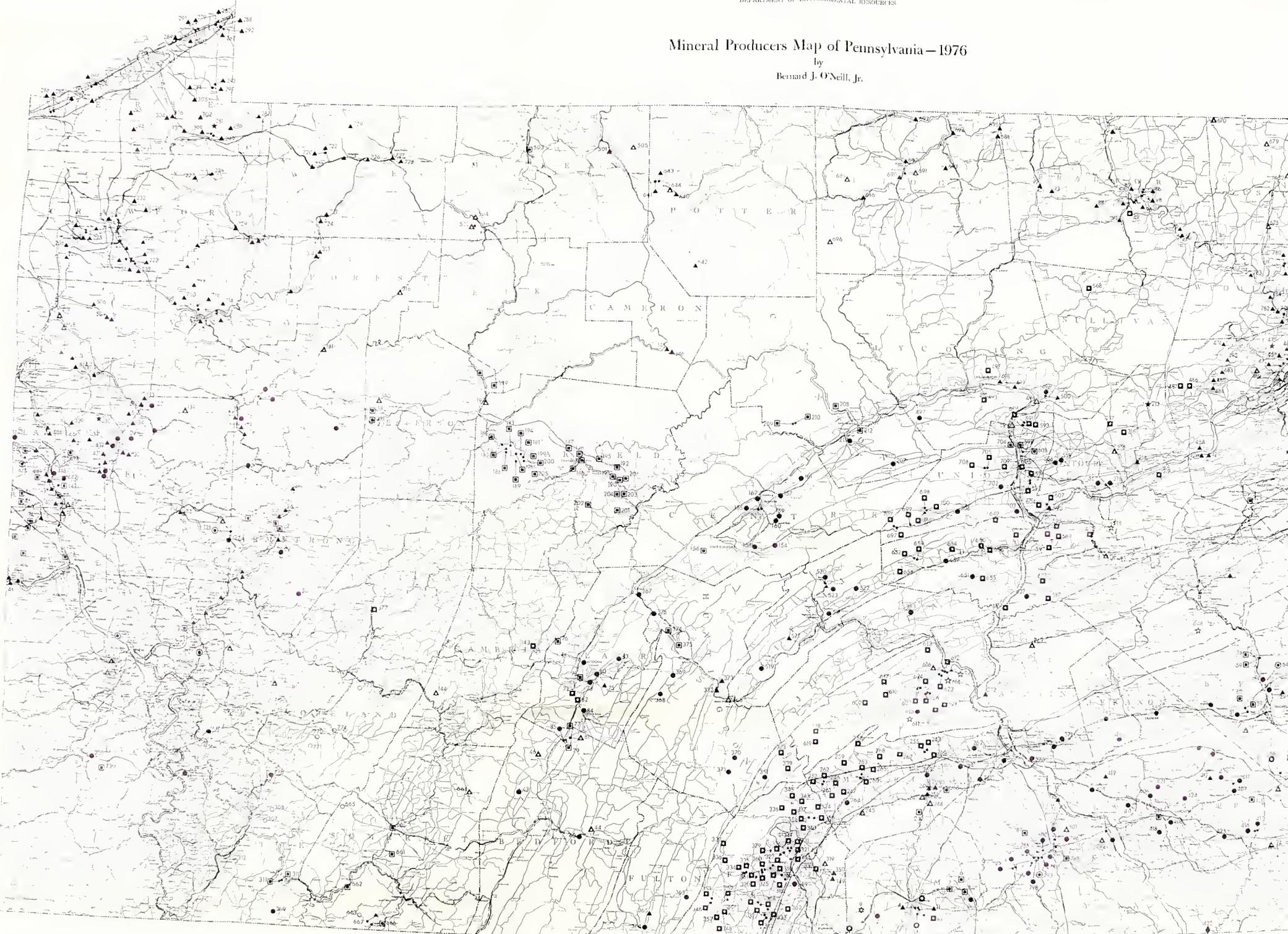
PRODUCER OR PROCESSOR	REFERENCE NO.	PRODUCER OR PROCESSOR	REFERENCE NO.
Pykus, Bill, Excavating	875	Snoke's Excavating & Paving,	
Pyramid Land Development Co.	366	Inc.	749, 782
Quakertown Brick & Tile Co.	94	Snyder, Melvin C.	792
R.E.M. Coal Co., Inc.	647	Sorber, Donald C.	542
Rancher Development Corp.	549	Sproul Lime & Stone Co.	148
Randall, Jack M.	526	Spry, William K.	876
Reactive Metals & Alloys	410	Stahlnecker, R. C.	823
Reese Brothers	67	Standard Concrete Products Co., Inc. ..	297
Refractory Sand Co.	451, 577	Stanton Asphalt Paving	434
Resco Products Inc.	78	Stanton Corners Excavating	877
Rhinehart, Ray C.	780	Starliper, Earl C.	783
Rinehimer, Donald E.	540	State Aggregates, Inc.	435, 669
Risch Sand & Gravel	550	Steckel Concrete Co.	564
Robinson, O. L., Stone Co.	697, 700	Stewart, Arthur E.	468
Rockwell, Richard E.	781	Stillers Blue Ridge Peat Co.	381
Rodamer Concrete Products	578	Stockton, C. B.	495
Rohrs Quarry, Inc.	253	Stoddard Slate Co., Inc.	893
Rood, Donald	713	Stoltzfus, D. M., & Son, Inc.	169, 254, 726
Rotunno, Albert N.	403	Stydinger, J. Harold	884
Royer Lime Quarry	272	Sugar Hill Limestone Co.	241
Rummings Bluestone Co.	701	Summit Quarries, Inc., Division of J. Robert Bazley, Inc.	885
Rung, Ella	466	Sunny Hill Development Corp.	784
Russell, Raymond E.	747	Sunnylands, Inc.	571
St. Joe Minerals Corp.	363	Superior Sand & Supply Co.	528
Sanders, John R.	727	Swartz, Lewis D.	750
Sardis Stone Co., Inc.	678	Swingle & Watson Excavating	620
Satellite Alloy Corporation	I	Swingle, Merle	619
Schmidt, R. A.	570	Swingle, Wayne	878
Scholl Bros.	732	Swistock & George	68
Scott, William H., Sr.	413		
Sechan Limestone Industries, Inc.	203, 256, 446	T & T Clay Co.	69
Sechrist, Randall	687, 714	Tamarack Topsoil Co.	375
Seh, Russell	527	Taylor, George A.	721
Seidle Sand & Gravel, Inc.	551	Taylor Sand & Gravel Co.	552
Sgarlat, Frank, Sand & Gravel Co.	541	Thebes, G. R.	836
Shamrock Flagstone Co.	698	Theuret, Gary, Excavating	469
Shaw, Lynn R.	748	Thomas Bros. Coal Co.	70
Shermac Co., The	602	Thomas, Gerald, Sand & Gravel	470
Shevitz, Walter	467	Thomasville Stone & Lime Co.	183, 298, 308, 314, 333, 336, 349
Shippingport Sand & Gravel Co.	423	Tionesta Sand & Gravel, Inc.	502, 594, 603
Silvi Concrete Products	439	Tomcho, Joseph M., & Sons, Inc.	496
Sinnemahoning Sand & Gravel Co.	448	Tompkins, P., Estate	675, 690, 720
Smith, Clarence C.	695	Trumbower Company, Inc., The	276
Smith, Clyde E.	835	Tulleytown Sand & Gravel Co.	440
Smith, D. E., Inc.	165, 242	Tulpehocken Stone, Inc.	195
Smith, H. J., & Sons, Inc.	260		
Smith, J. Edgar	735		

PRODUCER OR PROCESSOR	REFERENCE NO.	PRODUCER OR PROCESSOR	REFERENCE NO.
Ulrich, Bowman J., Jr.	824	Wayne Crushed Stone, Inc.	676
Union City Sand & Gravel, Inc.	497	Waynesboro Construction Co.	787
Union Clay Co., Inc.	45, 71	Weidner Concrete Co.	572, 621
Union Paving Co.	23	Welsh, William H.	471
Union Quarries, Inc.	226, 255	Wert, Ralph E.	826
United States Gypsum Co.	131, 388	West Ridge Gravel Co.	498
United States Steel Corp.	26, 42, 133, 894	White City Sand & Gravel Co.	596
Universal Atlas Cement	26, 42	White Pigment Corp.	315, 350
Valley Forge Stone Co.	404	White Rock Silica Sand Co., Division of McCrady, Inc.	659
Valley Quarries, Inc., Subsidiary of New Enterprise Stone & Lime Co.	160, 227, 235	Whitehall Cement Mfg. Co., The	32
Valliant Enterprises	383	Whitlock, George F.	721
Vanaria, Edward	841	Wickart, Carroll L.	752
Vanport Sand & Gravel, Inc.	529	Wilbur, Lee A., & Son	670, 688, 715
Vanport Stone, Inc.	257	Winfield Lime & Stone Co., Inc.	151, 204
Veon, Ralph A., Inc.	56, 105	Winne, Russell	716
Vernell, Inc.	230	Wise, C. Mark	405
Vincent Excavating & Gravel	595	Witiak Excavating	793
Wagner, Edwin C.	717	Witkowski, Edmund	693, 724
Wagner, Harry L.	851	Wood, Donald & Harold	622, 880
Wagner, Walter, Excavating	825	Wurst Construction	499
Walls Bros. Salvage	785	Wyoming Sand & Stone Co.	628
Walls, Lester E., Excavating	786	Wysox Sand & Gravel Inc.	436
Walter, John F., Excavating, Inc.	751	X & L Sand & Gravel Co.	424
Walter Quarry Co.	119	Yeagle Excavating	606
Warner Company ..	155, 157, 211, 214, 240, 292, 311, 324, 326, 335, 342, 343, 352, 357, 441	Yeaney Farms	644
Warren County Solid Waste Authority	604	Yingling, George, & Sons	72
Warren Sand & Gravel Co.	605	York Building Products Co., Inc.	299
Washington Stone Co., Inc.	286	York Stone & Supply Co.	184, 300, 400
Watson, Barry	879	Young, Robert C., Inc.	738
Watson, Foster G.	806	Young's Excavating Co.	753
Watsontown Brick Co.	110	Zacherl Coal Co., Inc.	640
		Zeckman, Jacob P.	852
		Zeek, J. Raymond	681
		Zielinski, Herman J.	500
		Zurkan, Michael, Jr.	607

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Mineral Producers Map of Pennsylvania—1976

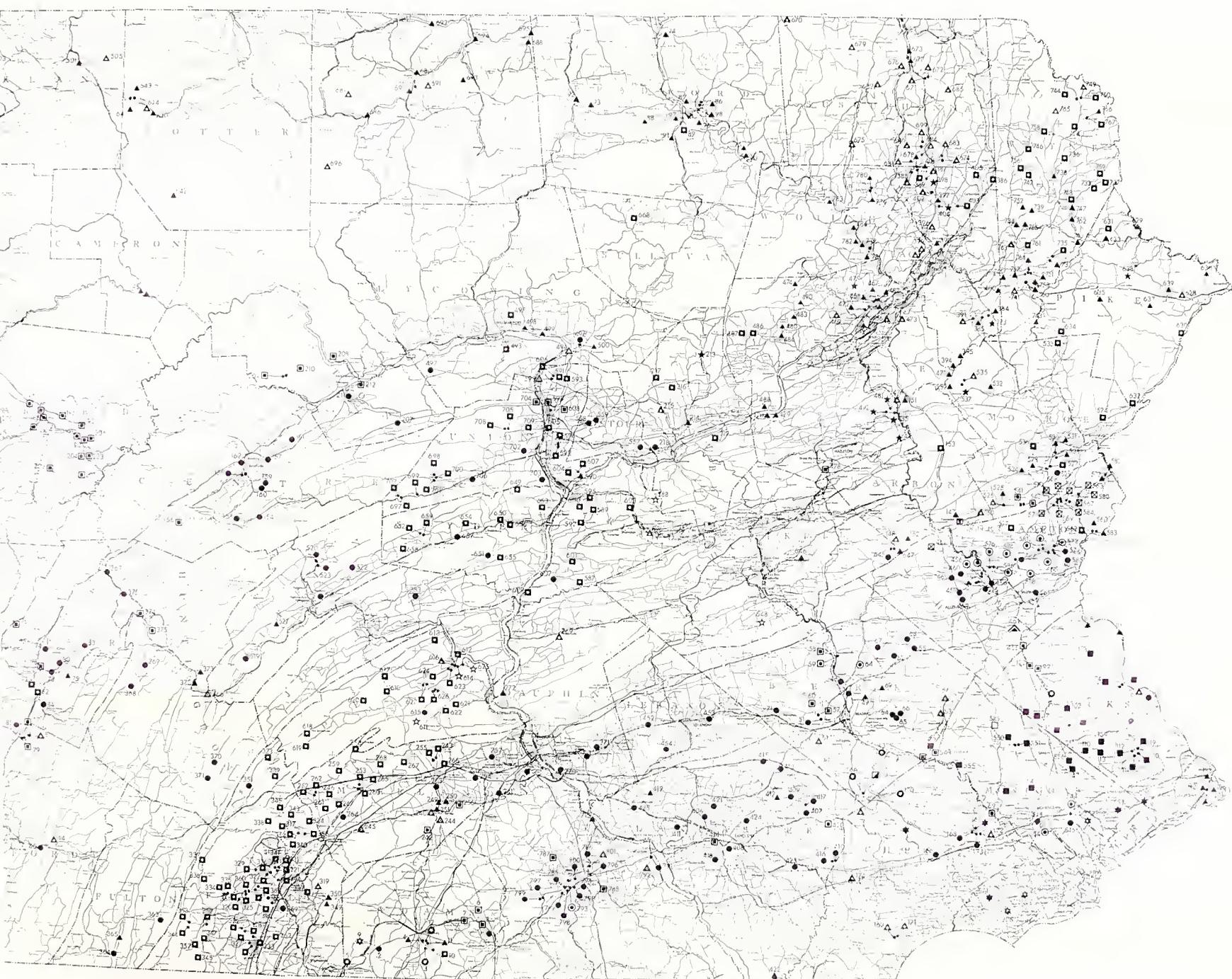
by
Bernard J. O'Neill, Jr.



Mineral Producers Map of Pennsylvania—1976

by

Bernard J. O'Neill, Jr.



LEGEND

- | | | |
|---|-------------------------|--|
| ■ Iron ore (magnetite) | ▲ Quartzite | ■ Shale or clay (used predominantly for roadbuilding or fill material) |
| ● Limestone and/or dolomite | △ Rottenstone | ★ Siltstone or siltstone and shale |
| ○ Limestone, siliceous (Loyalhanna Formation) | ▲ Sand, sand and gravel | ▣ Slate |
| ■ Manganese, manganeseous ores, and zinc products | ▲ Sand (silica) refuse | ▲ Zinc ore |
| ★ Mica schist, sericite schist or schist | △ Sandstone | □ Seller of different kinds of rock as dimension stone |
| ★ Peat | ◆ Serpentinite | |

Scale 1:100,000
1 inch = approximately 8 miles

